

er-on-sudhausen 12/9/2013 5:03:53 PM c:\pwworking\hmm\external\aron.sudhausen-arup.com\d0123820\FB-CB-1900-C3.dgn



REV	DATE	BY	CHK	APP	DESCRIPTION

DESIGNED BY
S. LITSAS
DRAWN BY
J. BORGHESI
CHECKED BY
K. SEYMOUR
IN CHARGE
R. COFFIN
DATE
12/31/13

**RECORD SET 15%
DESIGN SUBMISSION**

**NOT FOR
CONSTRUCTION**

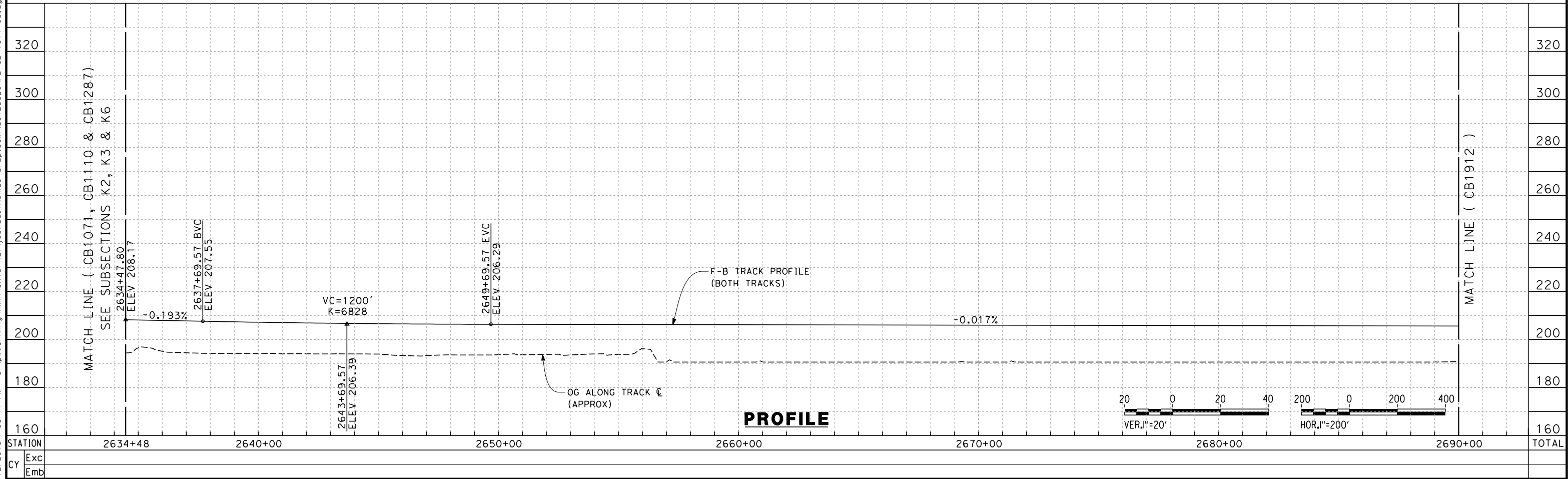
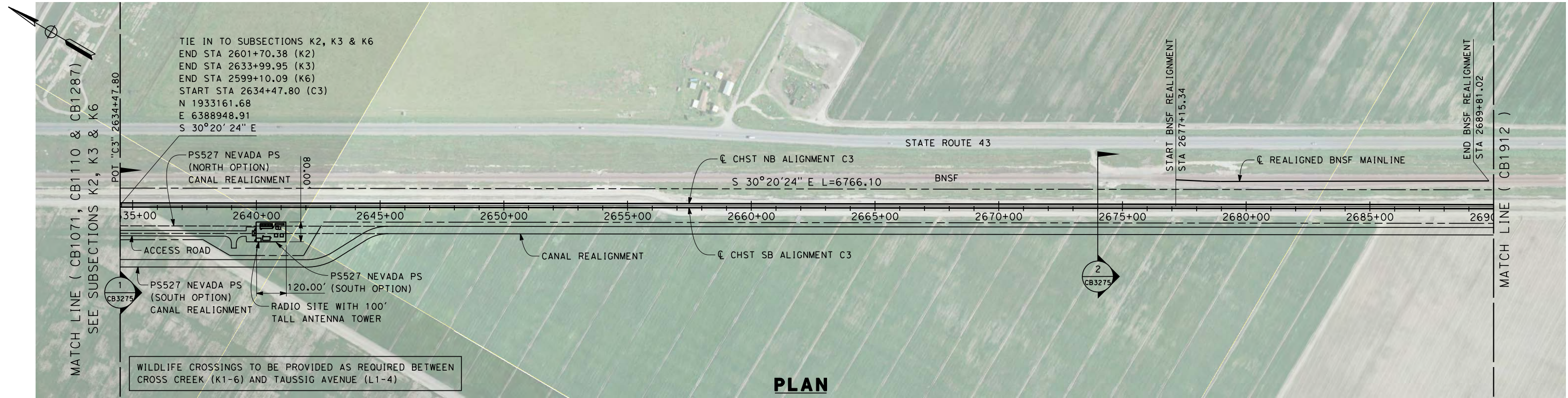


CALIFORNIA
HIGH-SPEED RAIL AUTHORITY

**CALIFORNIA HIGH-SPEED TRAIN PROJECT
FRESNO TO BAKERSFIELD**
CORCORAN SUBSECTION
ALIGNMENT C3
STA. 2634+48 TO 3096+00
KEY MAP

CONTRACT NO.
HSR 06-0003
DRAWING NO.
CB1900
SCALE
AS SHOWN
SHEET NO.
1 OF 20

joshua.thomas 12/12/2013 1:08:44 PM c:\pwworking\hmm\external\joshua.thomas-arup.com\d0123820\FB-CB-1911-C3.dgn



REV	DATE	BY	CHK	APP	DESCRIPTION

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S. LITSAS
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J. BORGHESI
CHECKED BY
K. SEYMOUR
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R. COFFIN
DATE
12/31/13

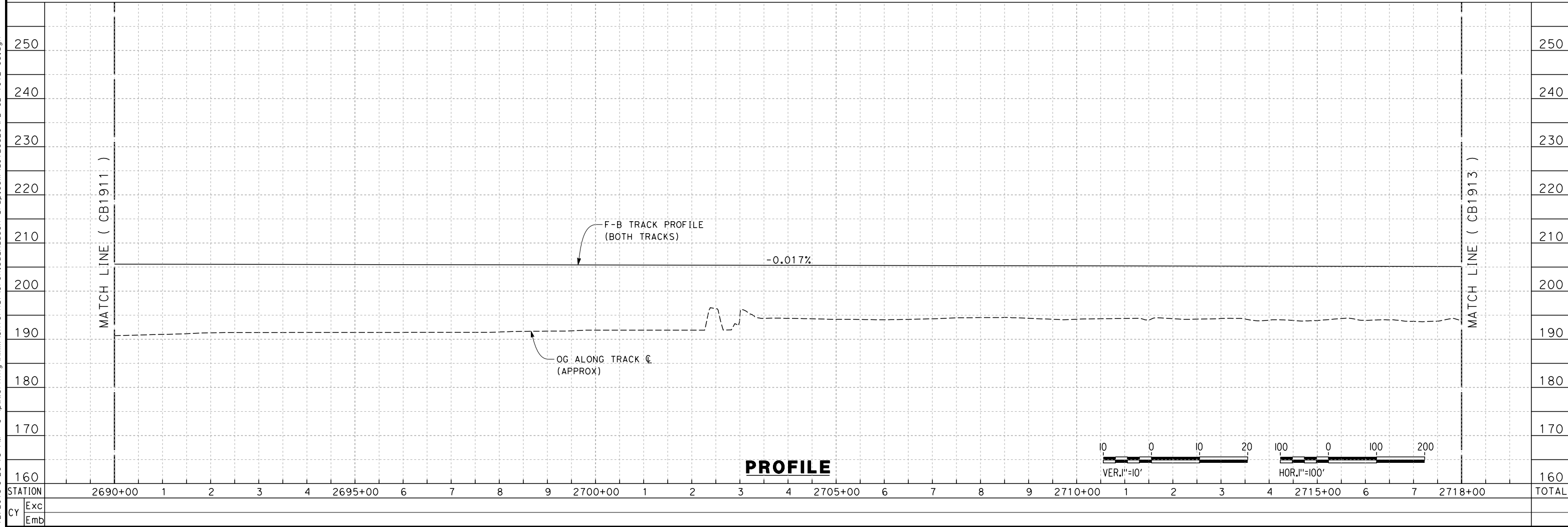
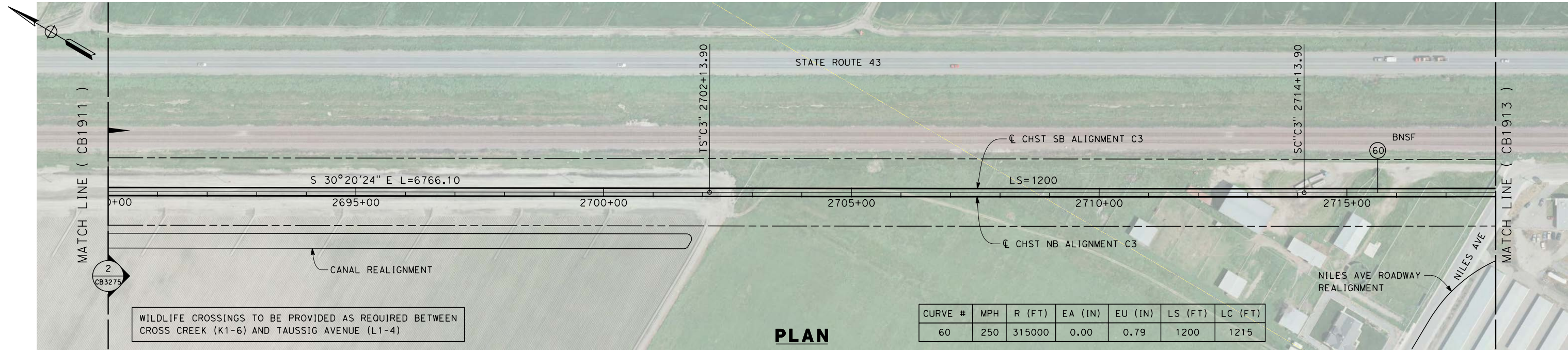
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DESIGN SUBMISSION
NOT FOR
CONSTRUCTION



CALIFORNIA HIGH-SPEED TRAIN PROJECT
FRESNO TO BAKERSFIELD
CORCORAN SUBSECTION
ALIGNMENT C3
STA. 2634+48 TO 2690+00
PLAN AND PROFILE

CONTRACT NO.
HSR 06-0003
DRAWING NO.
CB1911
SCALE
AS SHOWN
SHEET NO.
2 OF 20

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REV	DATE	BY	CHK	APP	DESCRIPTION

DESIGNED BY
S. LITSAS
DRAWN BY
J. BORGHESI
CHECKED BY
K. SEYMOUR
IN CHARGE
R. COFFIN
DATE
12/31/13

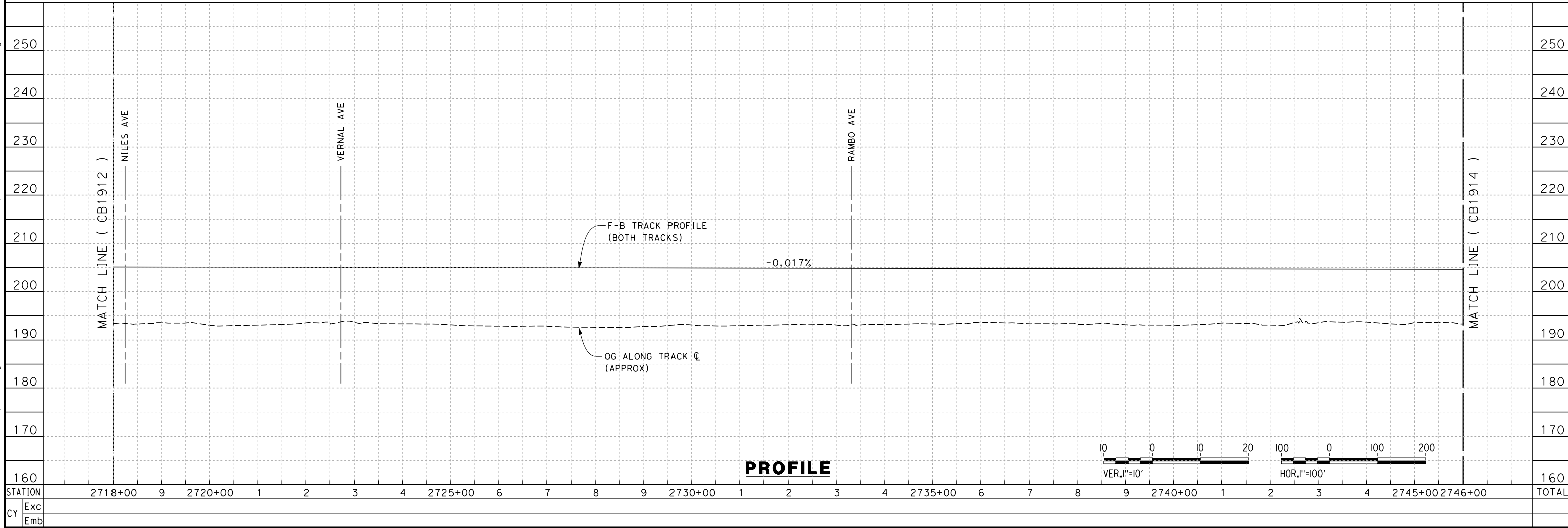
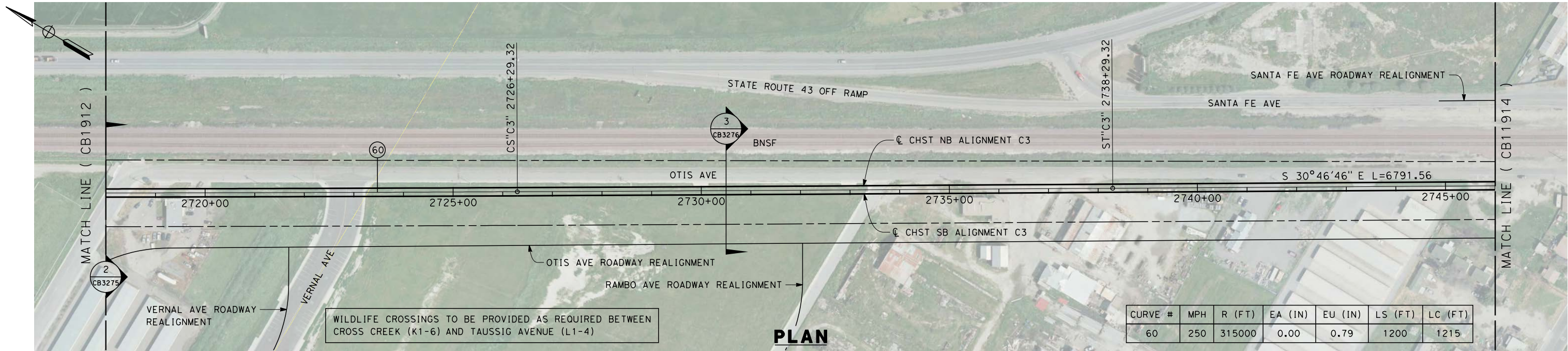
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DESIGN SUBMISSION
NOT FOR
CONSTRUCTION



CALIFORNIA HIGH-SPEED TRAIN PROJECT
FRESNO TO BAKERSFIELD
CORCORAN SUBSECTION
ALIGNMENT C3
STA. 2690+00 TO 2718+00
PLAN AND PROFILE

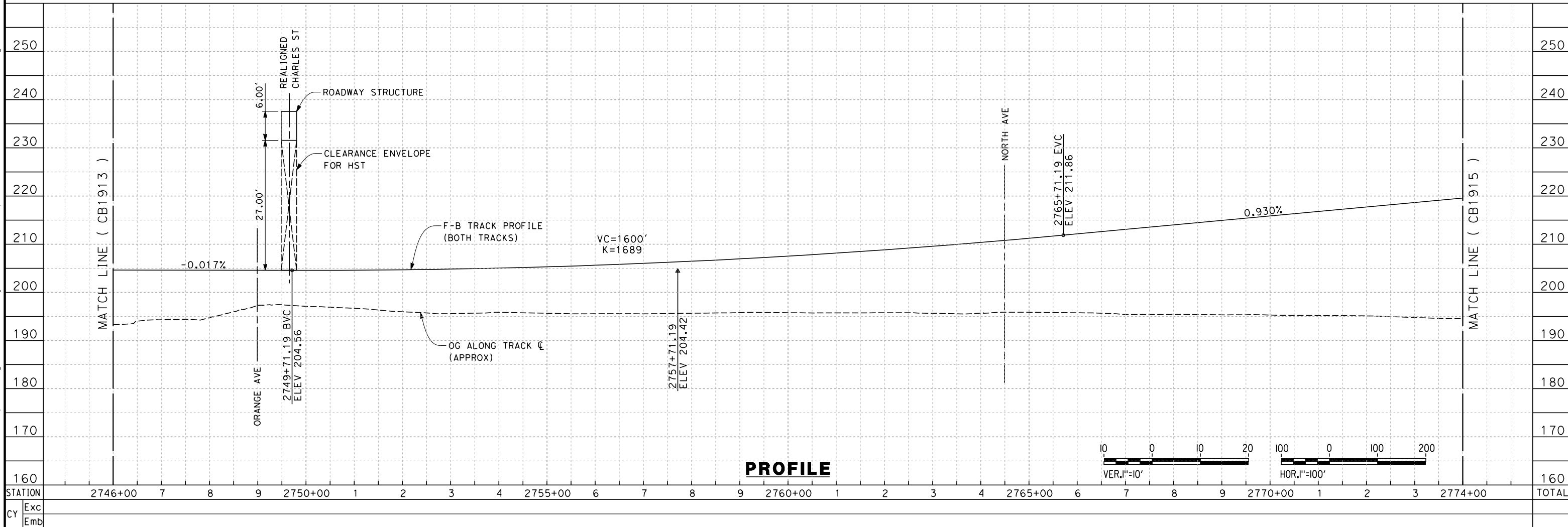
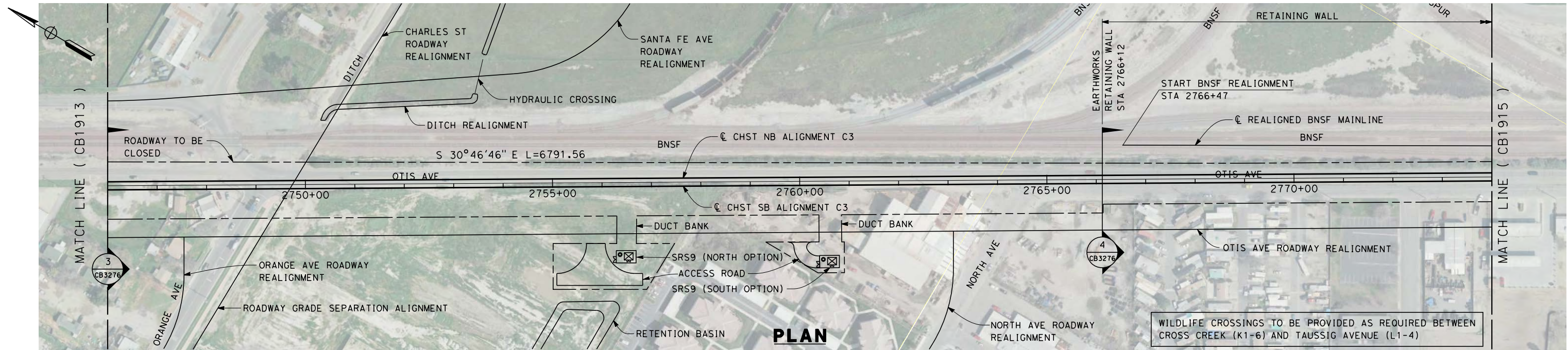
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DRAWING NO.
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SCALE
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SHEET NO.
3 OF 20

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REV	DATE	BY	CHK	APP	DESCRIPTION

DESIGNED BY
S. LITSAS
DRAWN BY
J. BORGHESI
CHECKED BY
K. SEYMOUR
IN CHARGE
R. COFFIN
DATE
12/31/13

**RECORD SET 15%
DESIGN SUBMISSION**

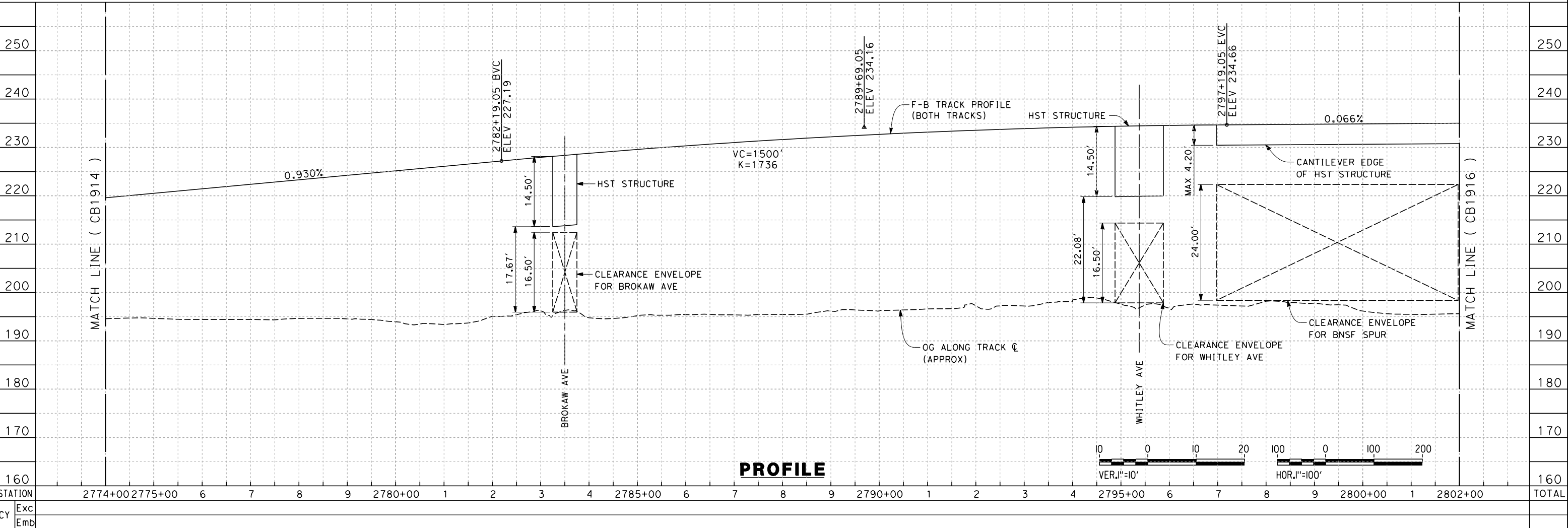
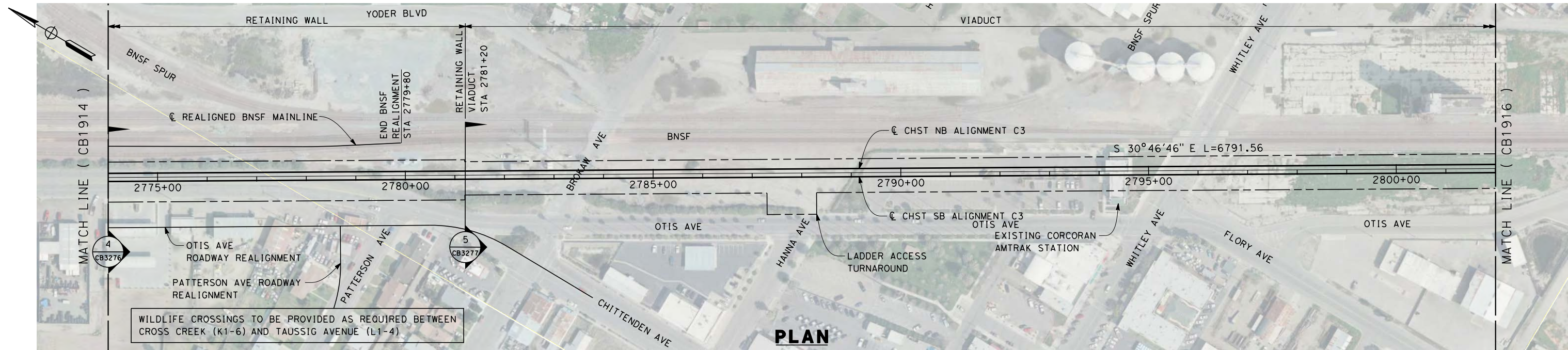
**NOT FOR
CONSTRUCTION**





**CALIFORNIA HIGH-SPEED TRAIN PROJECT
FRESNO TO BAKERSFIELD**
CORCORAN SUBSECTION
ALIGNMENT C3
STA. 2746+00 TO 2774+00
PLAN AND PROFILE

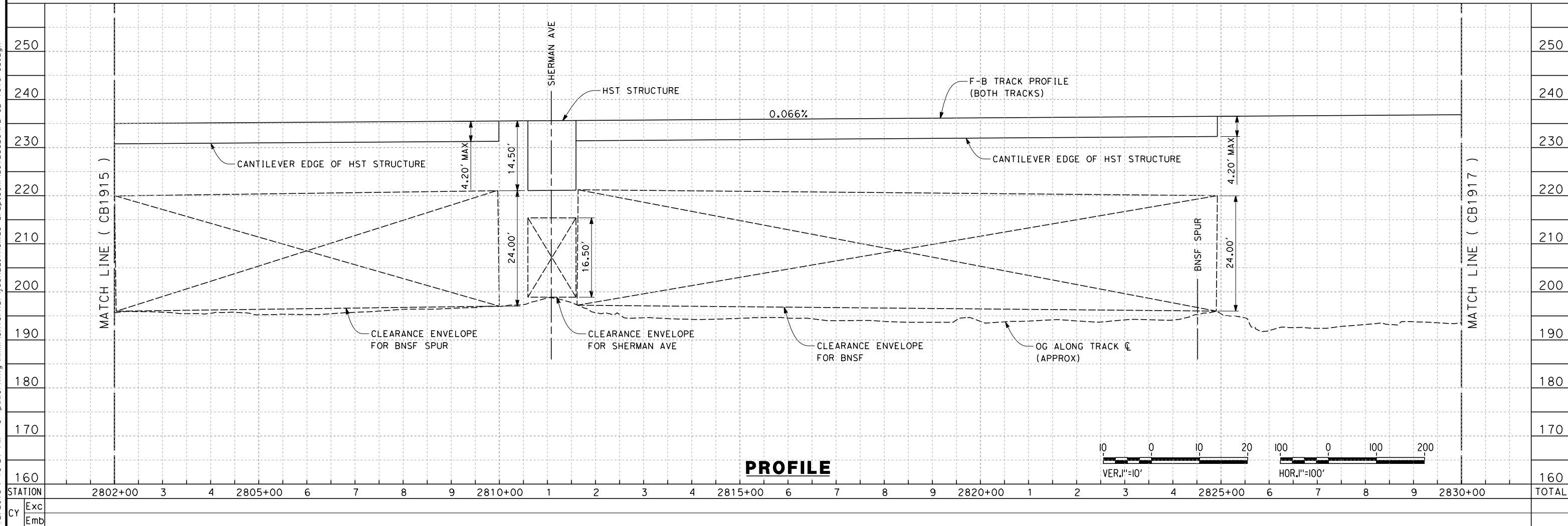
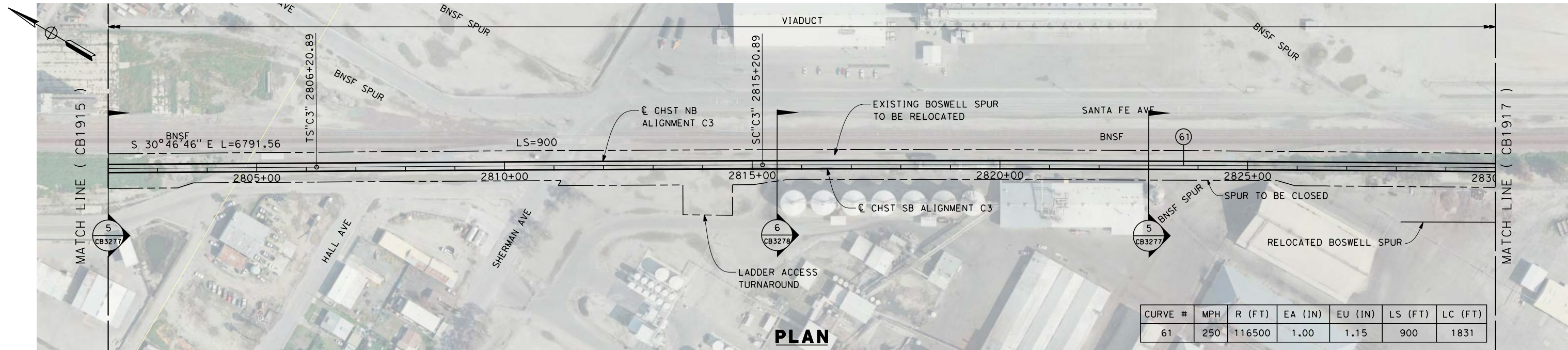
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HSR 06-0003
DRAWING NO.
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SCALE
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SHEET NO.
5 OF 20

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						DESIGNED BY S. LITSAS	RECORD SET 15% DESIGN SUBMISSION NOT FOR CONSTRUCTION	 	CALIFORNIA HIGH-SPEED TRAIN PROJECT FRESNO TO BAKERSFIELD CORCORAN SUBSECTION ALIGNMENT C3 STA. 2774+00 TO 2802+00 PLAN AND PROFILE		CONTRACT NO. HSR 06-0003
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					CHECKED BY K. SEYMOUR	SCALE AS SHOWN					
					IN CHARGE R. COFFIN	SHEET NO. 6 OF 20					
REV	DATE	BY	CHK	APP	DESCRIPTION	DATE 12/31/13					

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REV	DATE	BY	CHK	APP	DESCRIPTION

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DRAWN BY J. BORGHESE
CHECKED BY K. SEYMOUR
IN CHARGE R. COFFIN
DATE 12/31/13

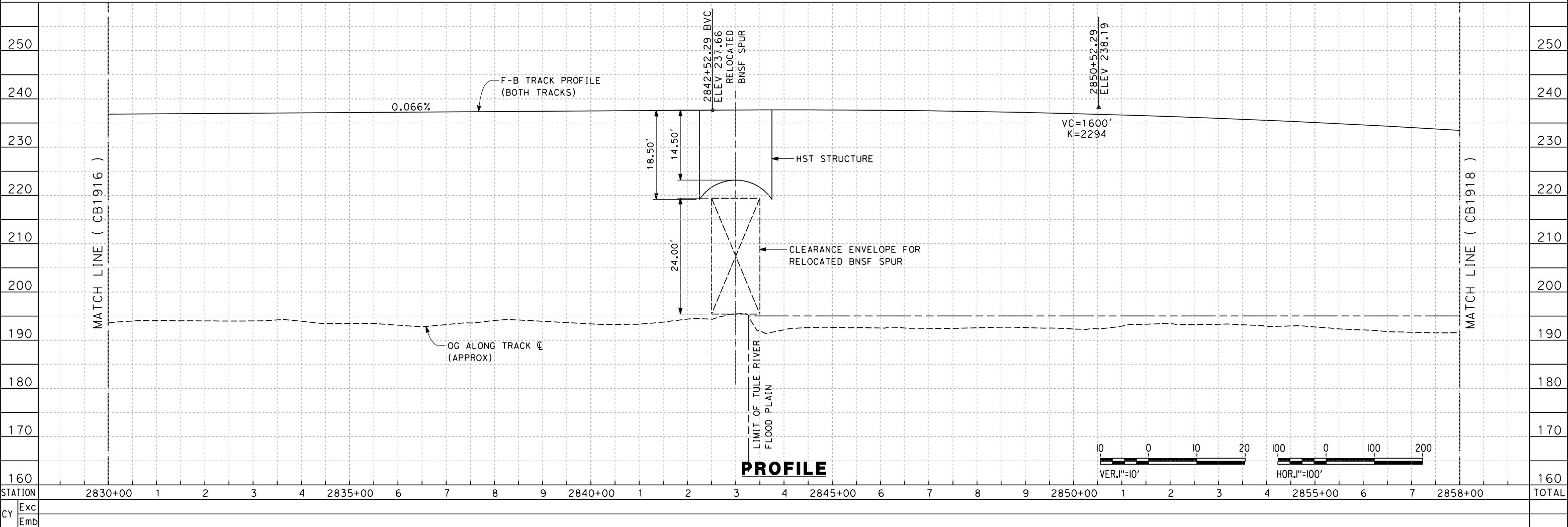
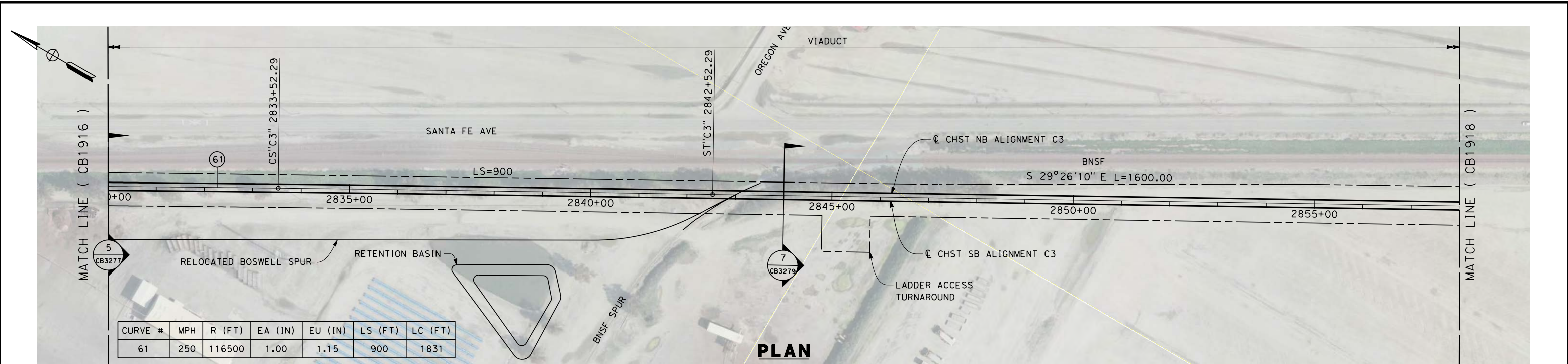
RECORD SET 15% DESIGN SUBMISSION
NOT FOR CONSTRUCTION



CALIFORNIA HIGH-SPEED TRAIN PROJECT FRESNO TO BAKERSFIELD
CORCORAN SUBSECTION ALIGNMENT C3 STA. 2802+00 TO 2830+00 PLAN AND PROFILE

CONTRACT NO. HSR 06-0003
DRAWING NO. CB1916
SCALE AS SHOWN
SHEET NO. 7 OF 20

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REV	DATE	BY	CHK	APP	DESCRIPTION

DESIGNED BY
S. LITSAS
DRAWN BY
J. BORGHESI
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K. SEYMOUR
IN CHARGE
R. COFFIN
DATE
12/31/13

RECORD SET 15%
DESIGN SUBMISSION

NOT FOR
CONSTRUCTION

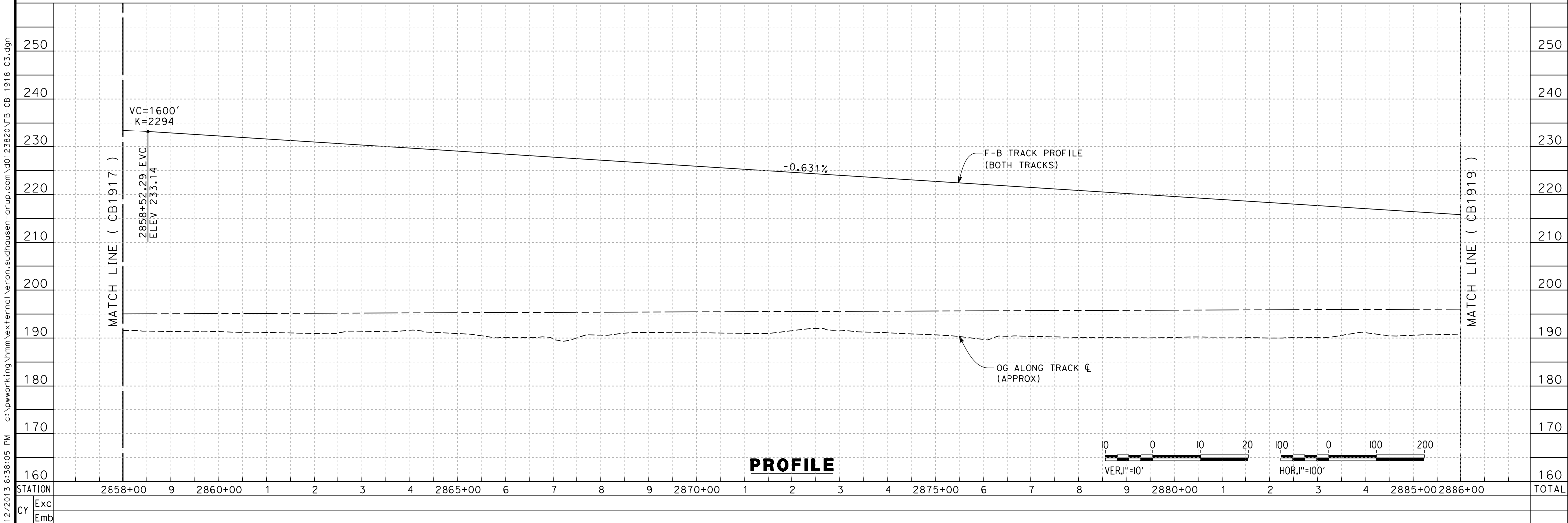
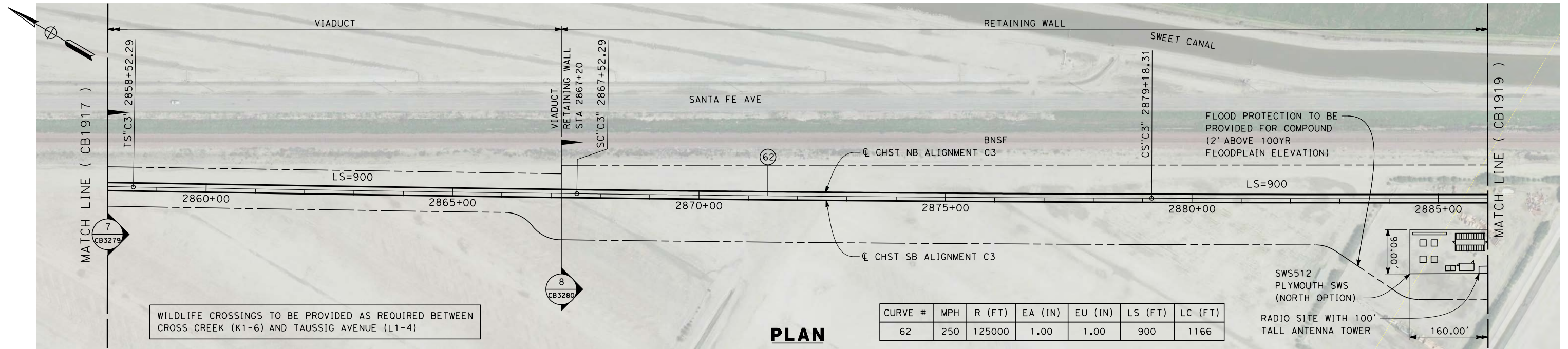


**CALIFORNIA HIGH-SPEED TRAIN PROJECT
FRESNO TO BAKERSFIELD**
CORCORAN SUBSECTION
ALIGNMENT C3
STA. 2830+00 TO 2858+00
PLAN AND PROFILE

CONTRACT NO.
HSR 06-0003
DRAWING NO.
CB1917
SCALE
AS SHOWN
SHEET NO.
8 OF 20

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eron.sudhausen



REV	DATE	BY	CHK	APP	DESCRIPTION

DESIGNED BY
S. LITSAS
DRAWN BY
J. BORGHESI
CHECKED BY
K. SEYMOUR
IN CHARGE
R. COFFIN
DATE
12/31/13

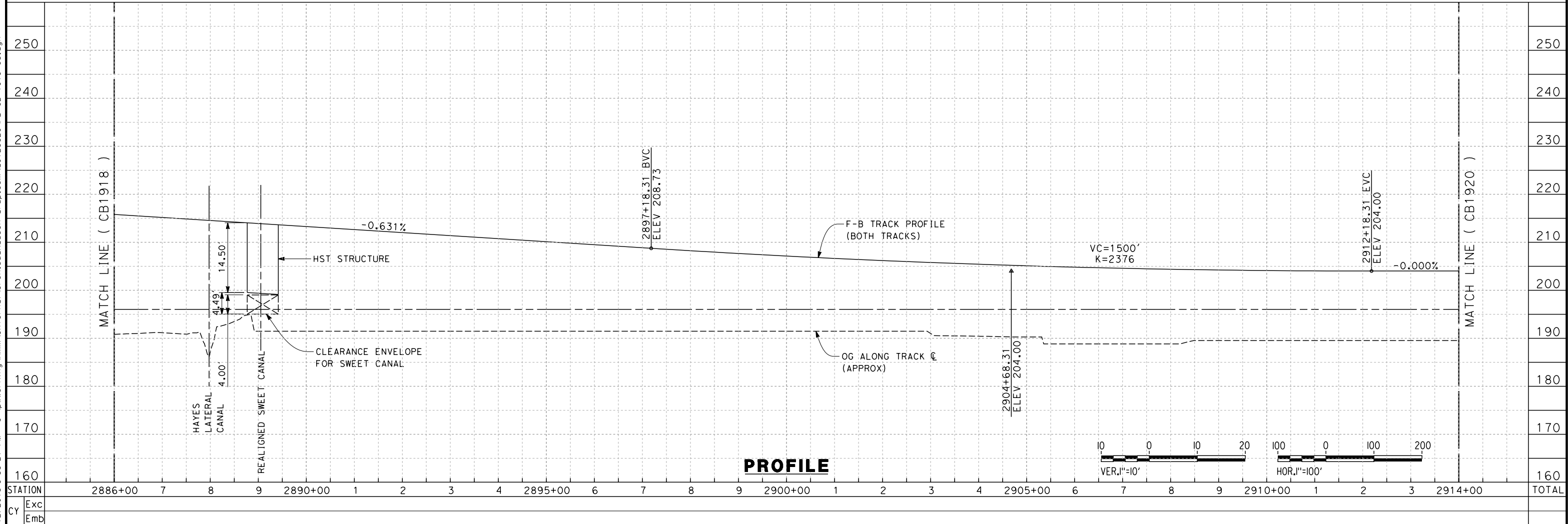
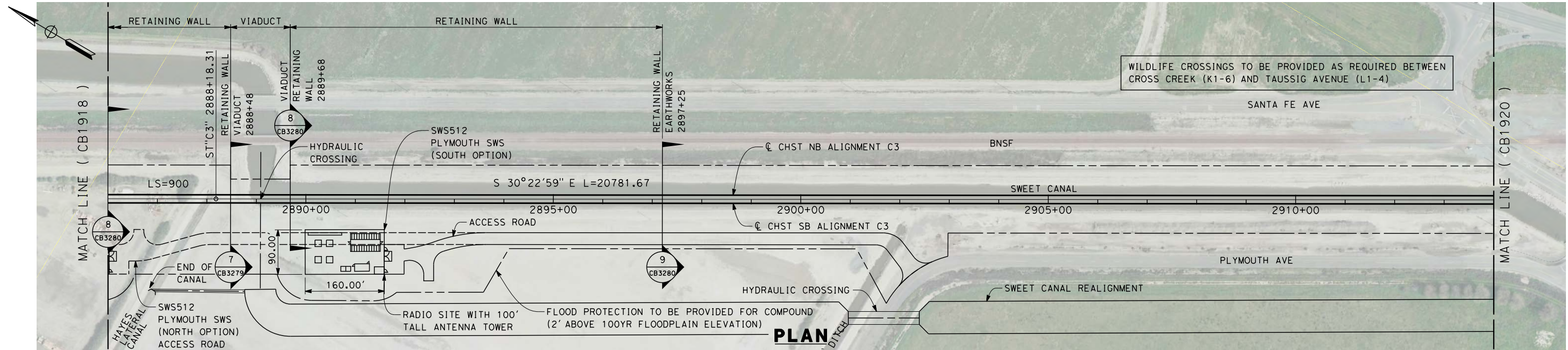
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DESIGN SUBMISSION
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CONSTRUCTION



CALIFORNIA HIGH-SPEED TRAIN PROJECT
FRESNO TO BAKERSFIELD
CORCORAN SUBSECTION
ALIGNMENT C3
STA. 2858+00 TO 2886+00
PLAN AND PROFILE

CONTRACT NO.
HSR 06-0003
DRAWING NO.
CB1918
SCALE
AS SHOWN
SHEET NO.
9 OF 20

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REV	DATE	BY	CHK	APP	DESCRIPTION

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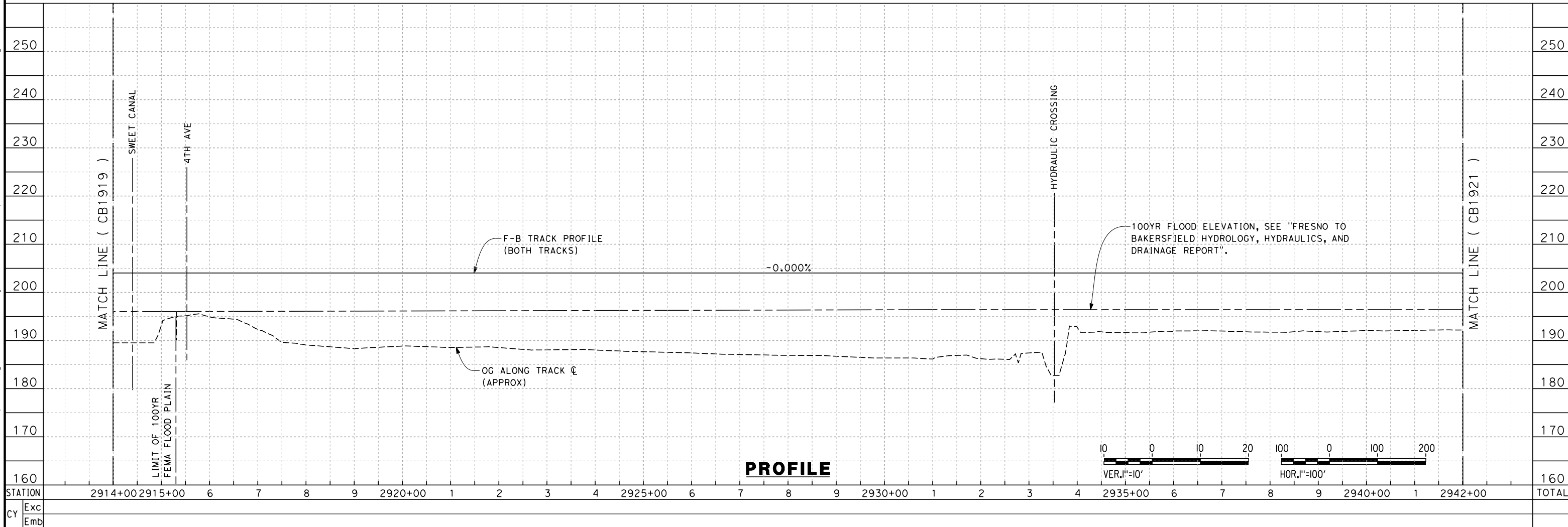
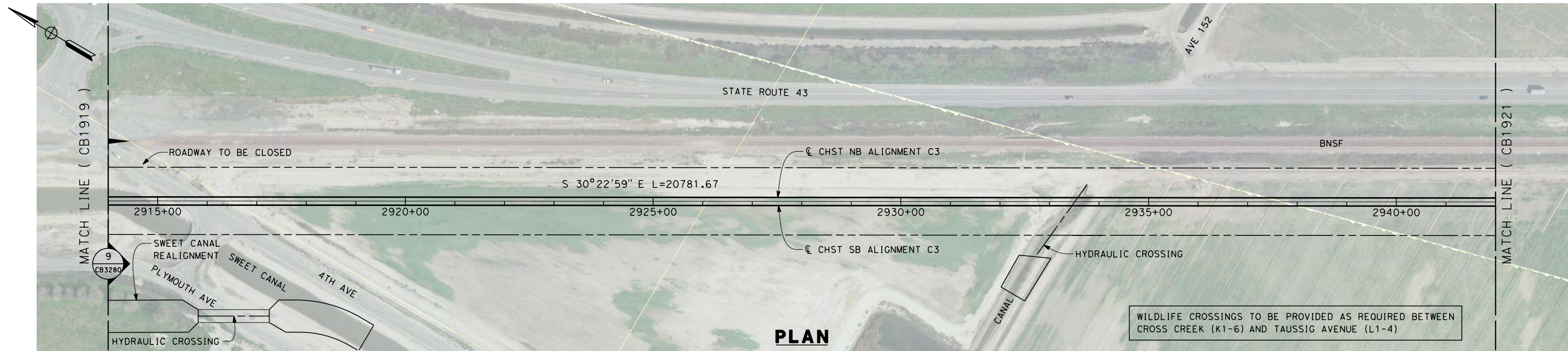
**NOT FOR
CONSTRUCTION**



**CALIFORNIA HIGH-SPEED TRAIN PROJECT
FRESNO TO BAKERSFIELD**
CORCORAN SUBSECTION
ALIGNMENT C3
STA. 2886+00 TO 2914+00
PLAN AND PROFILE

CONTRACT NO.
HSR 06-0003
DRAWING NO.
CB1919
SCALE
AS SHOWN
SHEET NO.
10 OF 20

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REV	DATE	BY	CHK	APP	DESCRIPTION

DESIGNED BY
S. LITSAS
DRAWN BY
J. BORGHESI
CHECKED BY
K. SEYMOUR
IN CHARGE
R. COFFIN
DATE
12/31/13

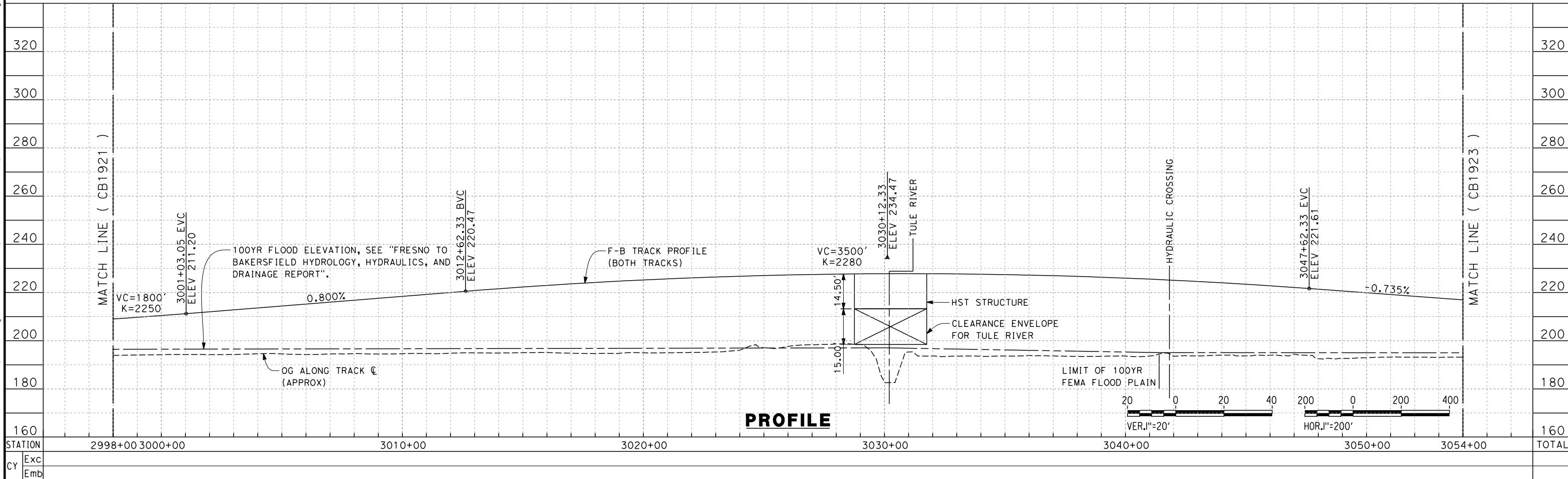
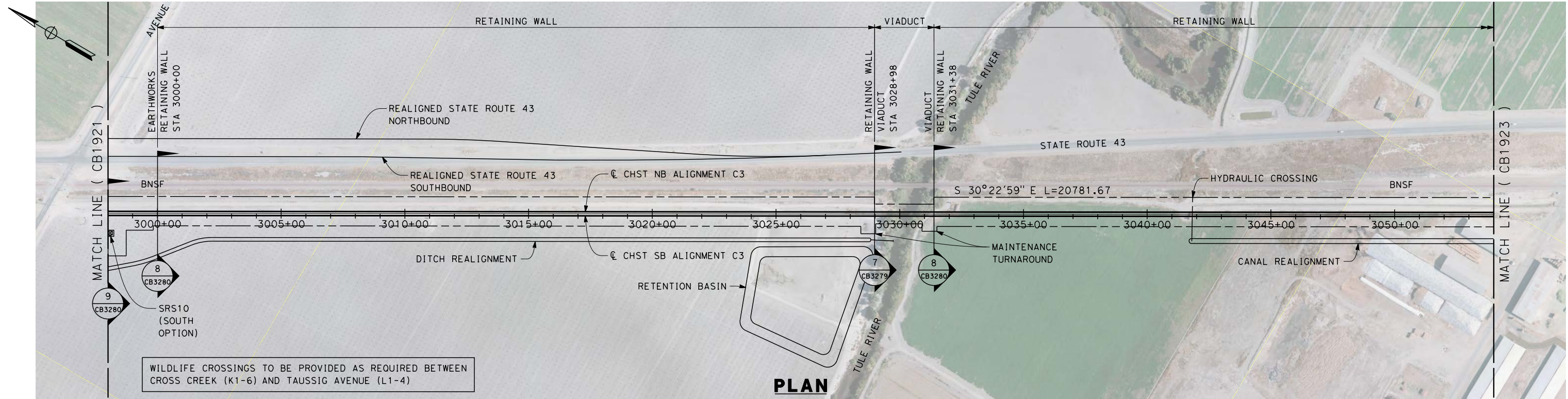
RECORD SET 15%
DESIGN SUBMISSION
NOT FOR
CONSTRUCTION



CALIFORNIA HIGH-SPEED TRAIN PROJECT
FRESNO TO BAKERSFIELD
CORCORAN SUBSECTION
ALIGNMENT C3
STA. 2914+00 TO 2942+00
PLAN AND PROFILE

CONTRACT NO.
HSR 06-0003
DRAWING NO.
CB1920
SCALE
AS SHOWN
SHEET NO.
11 OF 20

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REV	DATE	BY	CHK	APP	DESCRIPTION

DESIGNED BY
S. LITSAS
DRAWN BY
J. BORGHESI
CHECKED BY
K. SEYMOUR
IN CHARGE
R. COFFIN
DATE
12/31/13

**RECORD SET 15%
DESIGN SUBMISSION**

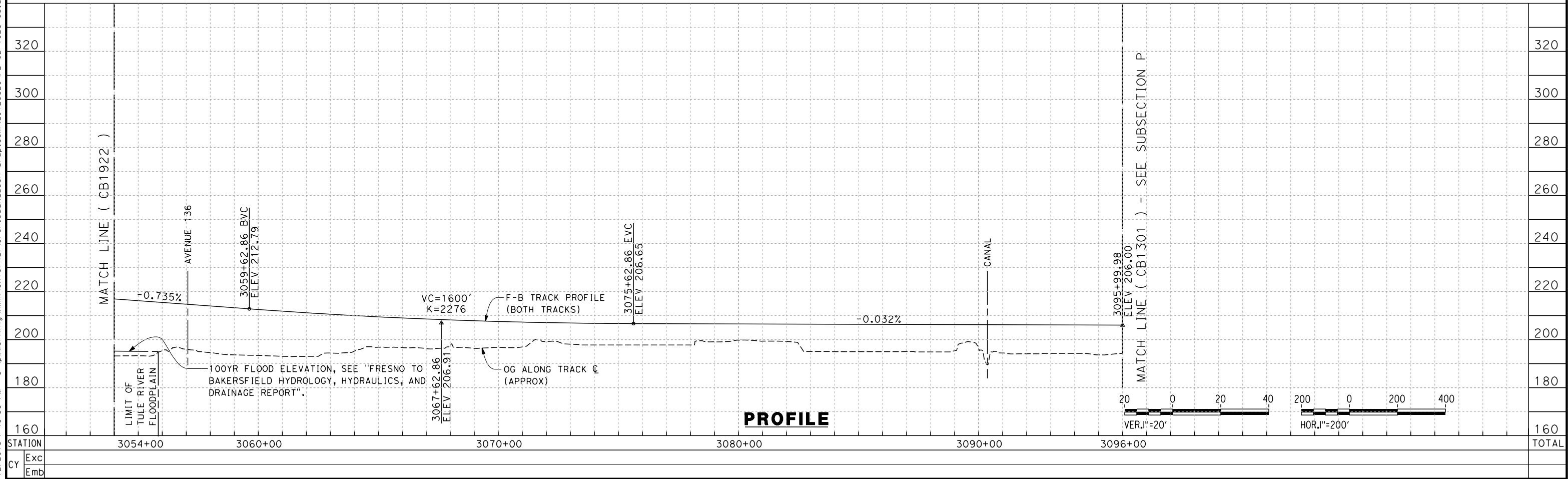
**NOT FOR
CONSTRUCTION**



**CALIFORNIA HIGH-SPEED TRAIN PROJECT
FRESNO TO BAKERSFIELD**
CORCORAN SUBSECTION
ALIGNMENT C3
STA. 2998+00 TO 3054+00
PLAN AND PROFILE

CONTRACT NO.
HSR 06-0003
DRAWING NO.
CB1922
SCALE
AS SHOWN
SHEET NO.
13 OF 20

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REV	DATE	BY	CHK	APP	DESCRIPTION

DESIGNED BY
S. LITSAS
DRAWN BY
J. BORGHESI
CHECKED BY
K. SEYMOUR
IN CHARGE
R. COFFIN
DATE
12/31/13

**RECORD SET 15%
DESIGN SUBMISSION**

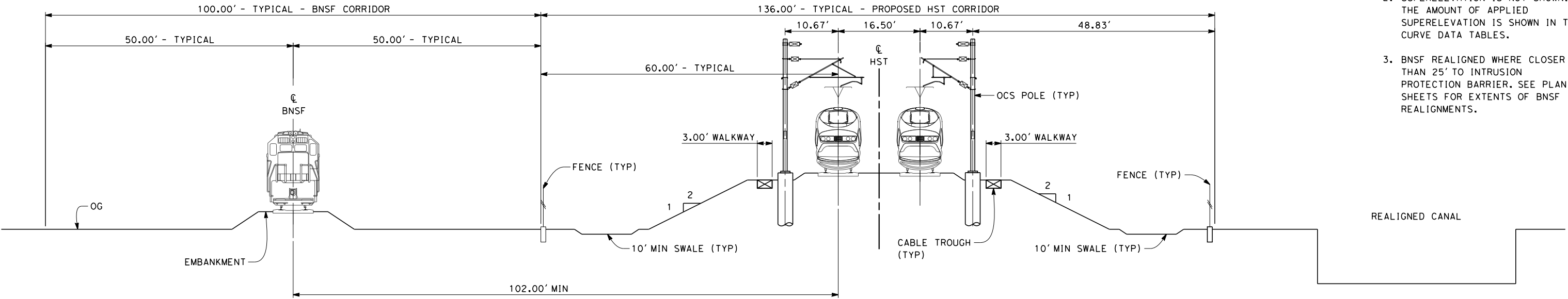
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CONSTRUCTION**



**CALIFORNIA HIGH-SPEED TRAIN PROJECT
FRESNO TO BAKERSFIELD**
CORCORAN SUBSECTION
ALIGNMENT C3
STA. 3054+00 TO 3096+00
PLAN AND PROFILE

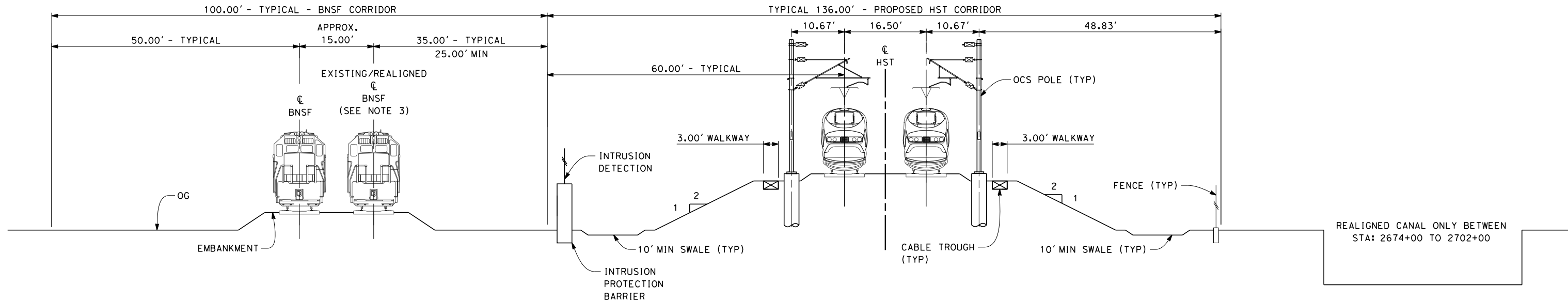
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HSR 06-0003
DRAWING NO.
CB1923
SCALE
AS SHOWN
SHEET NO.
14 OF 20

- NOTES:
1. TRACKFORM SHOWN IS INDICATIVE
 2. SUPERELEVATION IS NOT SHOWN. THE AMOUNT OF APPLIED SUPERELEVATION IS SHOWN IN THE CURVE DATA TABLES.
 3. BNSF REALIGNED WHERE CLOSER THAN 25' TO INTRUSION PROTECTION BARRIER. SEE PLAN SHEETS FOR EXTENTS OF BNSF REALIGNMENTS.



SECTION 1

TWIN TRACK - BETWEEN BNSF AND REALIGNED CANAL
STA 2634+48 THROUGH STA 2674+00



SECTION 2

TWIN TRACK - INTRUSION PROTECTION BETWEEN TWIN TRACK BNSF AND REALIGNED CANAL
STA 2674+00 THROUGH STA 2730+50



REV	DATE	BY	CHK	APP	DESCRIPTION

DESIGNED BY S. LITSAS
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CHECKED BY K. SEYMOUR
IN CHARGE R. COFFIN
DATE 12/31/13

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DESIGN SUBMISSION**

**NOT FOR
CONSTRUCTION**

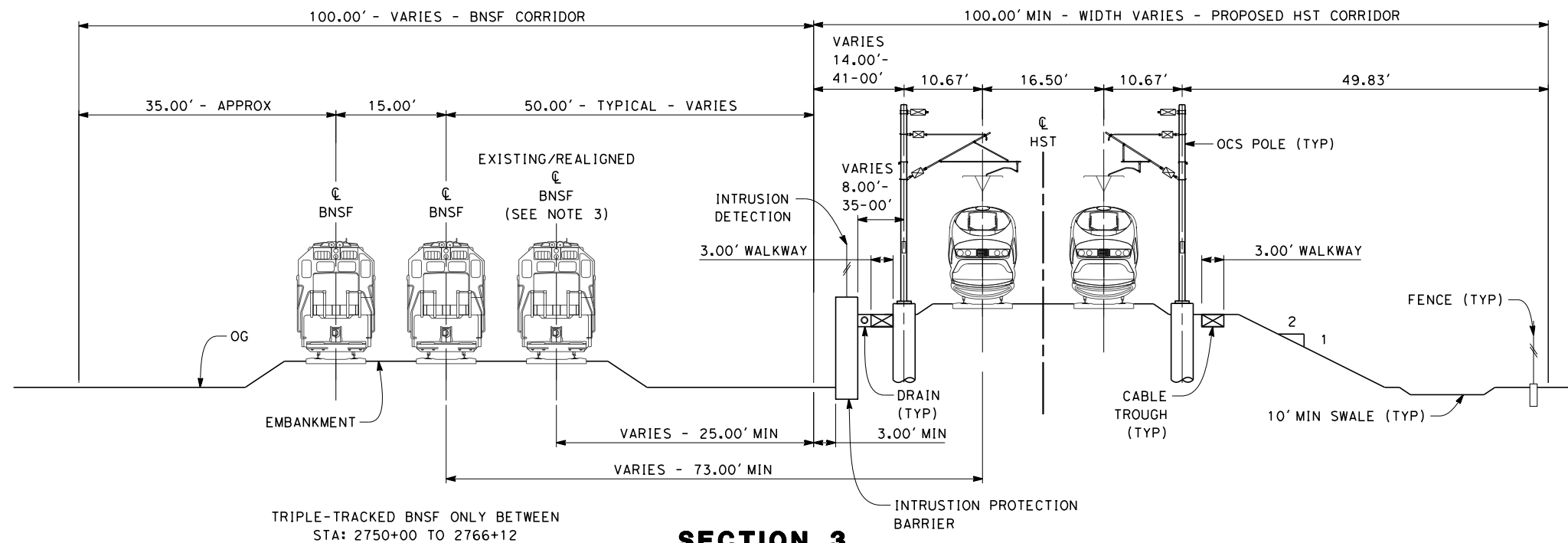


**CALIFORNIA HIGH-SPEED TRAIN PROJECT
FRESNO TO BAKERSFIELD**

CORCORAN SUBSECTION
ALIGNMENT C3
TYPICAL SECTIONS

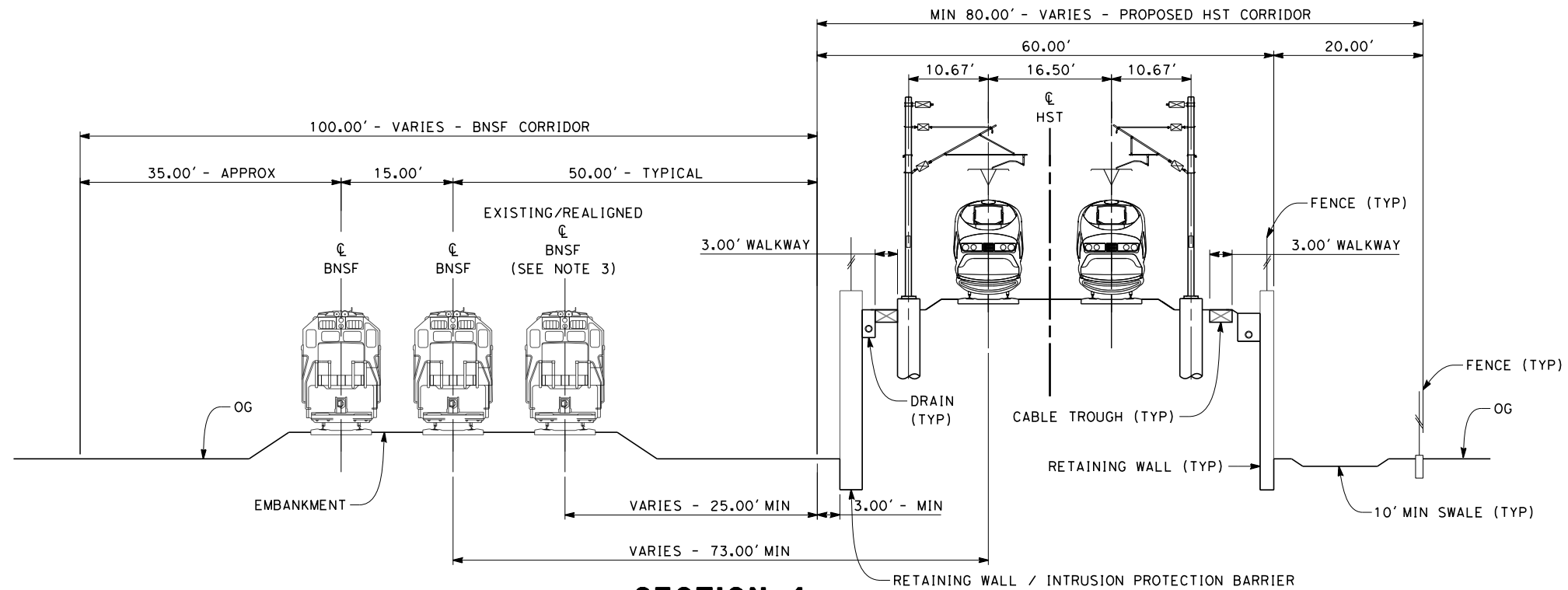
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DRAWING NO. CB3275
SCALE AS SHOWN
SHEET NO. 15 OF 20

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SECTION 3

TWIN TRACK - INTRUSION PROTECTION ADJACENT TO TRIPLE TRACKED BNSF
STA 2730+50 THROUGH STA 2766+12



SECTION 4

TWIN TRACK - RETAINED EMBANKMENT ADJACENT TO TRIPLE TRACKED BNSF
STA 2766+12 THROUGH STA 2781+20

NOTES:

1. TRACKFORM SHOWN IS INDICATIVE
2. SUPERELEVATION IS NOT SHOWN. THE AMOUNT OF APPLIED SUPERELEVATION IS SHOWN IN THE CURVE DATA TABLES.
3. BNSF REALIGNED WHERE CLOSER THAN 25' TO INTRUSION PROTECTION BARRIER. SEE PLAN SHEETS FOR EXTENTS OF BNSF REALIGNMENTS.



REV	DATE	BY	CHK	APP	DESCRIPTION

DESIGNED BY S. LITSAS
DRAWN BY J. BORGHESI
CHECKED BY K. SEYMOUR
IN CHARGE R. COFFIN
DATE 12/31/13

RECORD SET 15% DESIGN SUBMISSION
NOT FOR CONSTRUCTION

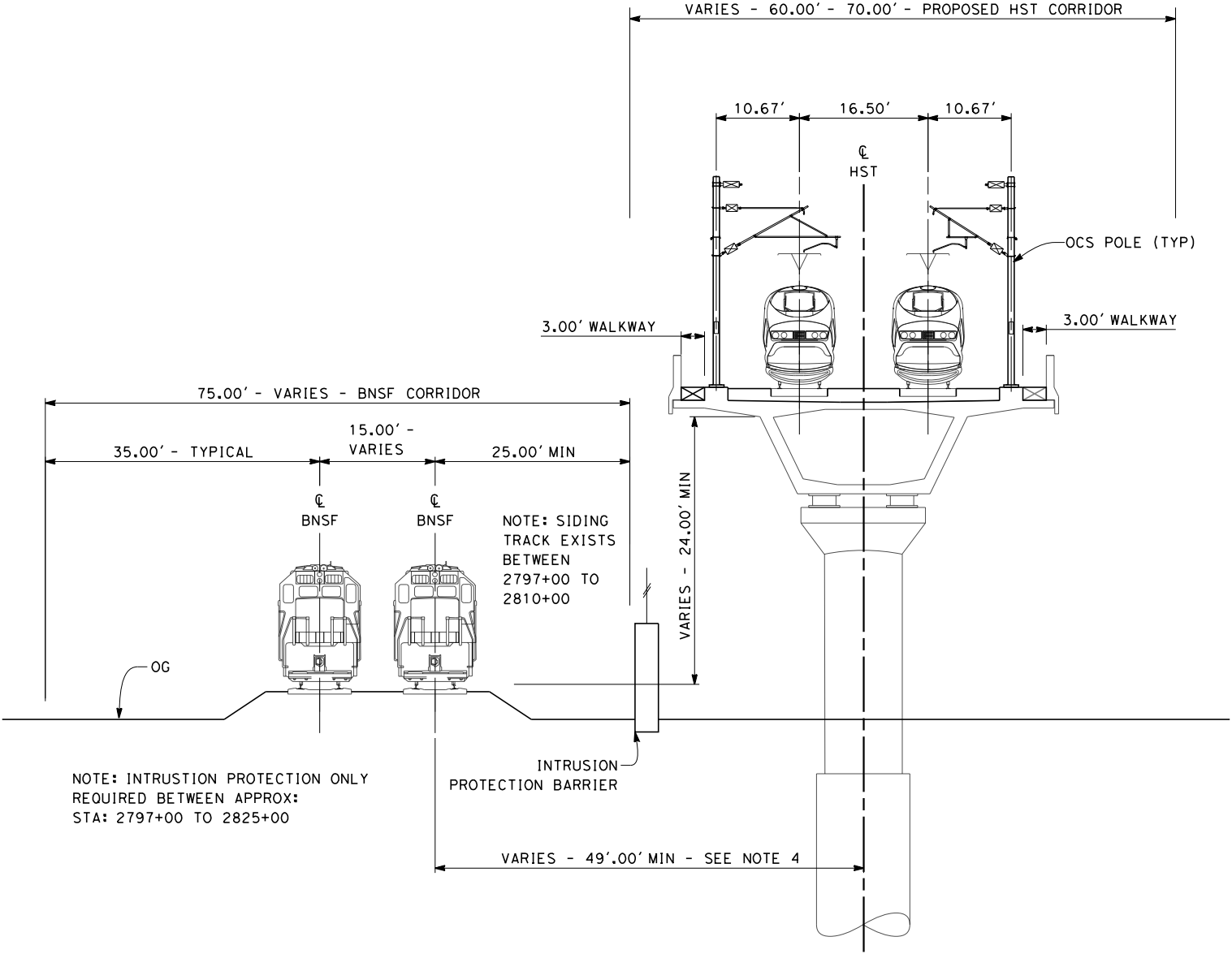


CALIFORNIA HIGH-SPEED TRAIN PROJECT FRESNO TO BAKERSFIELD
CORCORAN SUBSECTION ALIGNMENT C3 TYPICAL SECTIONS

CONTRACT NO. HSR 06-0003
DRAWING NO. CB3276
SCALE AS SHOWN
SHEET NO. 16 OF 20

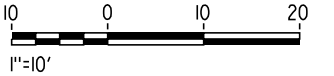
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- NOTES:
1. TRACKFORM SHOWN IS INDICATIVE.
 2. FOR STRUCTURE DIMENSIONS, SEE STRUCTURAL CROSS SECTIONS.
 3. SUPERELEVATION IS NOT SHOWN. THE AMOUNT OF APPLIED SUPERELEVATION IS SHOWN IN THE CURVE DATA TABLES.
 4. HST STRUCTURE OVERHANGS BNSF CORRIDOR BETWEEN STA. 2797+00 TO 2825+00.



SECTION 5

TWIN TRACKS - AERIAL VIADUCT ADJACENT TO TWIN TRACK BNSF
STA 2781+20 THROUGH STA 2815+50
STA 2823+00 THROUGH STA 2844+00



REV	DATE	BY	CHK	APP	DESCRIPTION

DESIGNED BY S. LITSAS
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CHECKED BY K. SEYMOUR
IN CHARGE R. COFFIN
DATE 12/31/13

**RECORD SET 15%
DESIGN SUBMISSION**

**NOT FOR
CONSTRUCTION**



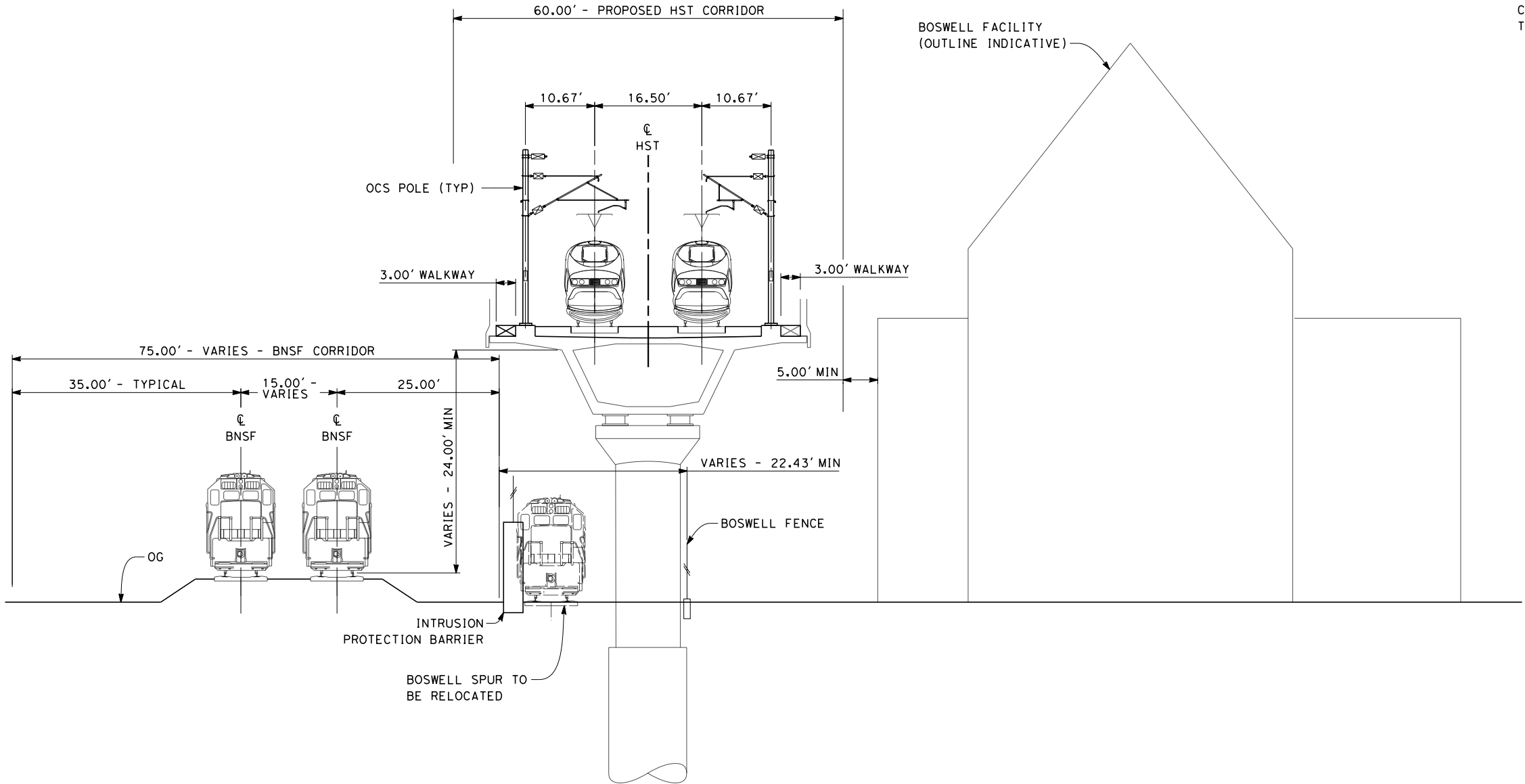
**CALIFORNIA HIGH-SPEED TRAIN PROJECT
FRESNO TO BAKERSFIELD**

CORCORAN SUBSECTION
ALIGNMENT C3
TYPICAL SECTIONS

CONTRACT NO. HSR 06-0003
DRAWING NO. CB3277
SCALE AS SHOWN
SHEET NO. 17 OF 20

joshua.thomas 12/12/2013 1:20:33 PM c:\pwworking\hmm\external\joshua.thomas-arup.com\d0123820\FB-CB-3278-C3.dgn

- NOTES:
1. TRACKFORM SHOWN IS INDICATIVE
 2. FOR STRUCTURE DIMENSIONS, SEE STRUCTURAL CROSS SECTIONS.
 3. SUPERELEVATION IS NOT SHOWN. THE AMOUNT OF APPLIED SUPERELEVATION IS SHOWN IN THE CURVE DATA TABLES.
 4. HST STRUCTURE OVERHANGS BNSF CORRIDOR BETWEEN STA. 2797+00 TO 2825+00.



SECTION 6

TWIN TRACKS - AERIAL VIADUCT ADJACENT TO BOSWELL FACILITY
STA 2815+50 THROUGH STA 2823+00



REV	DATE	BY	CHK	APP	DESCRIPTION

DESIGNED BY S. LITSAS
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CHECKED BY K. SEYMOUR
IN CHARGE R. COFFIN
DATE 12/31/13

RECORD SET 15% DESIGN SUBMISSION
NOT FOR CONSTRUCTION

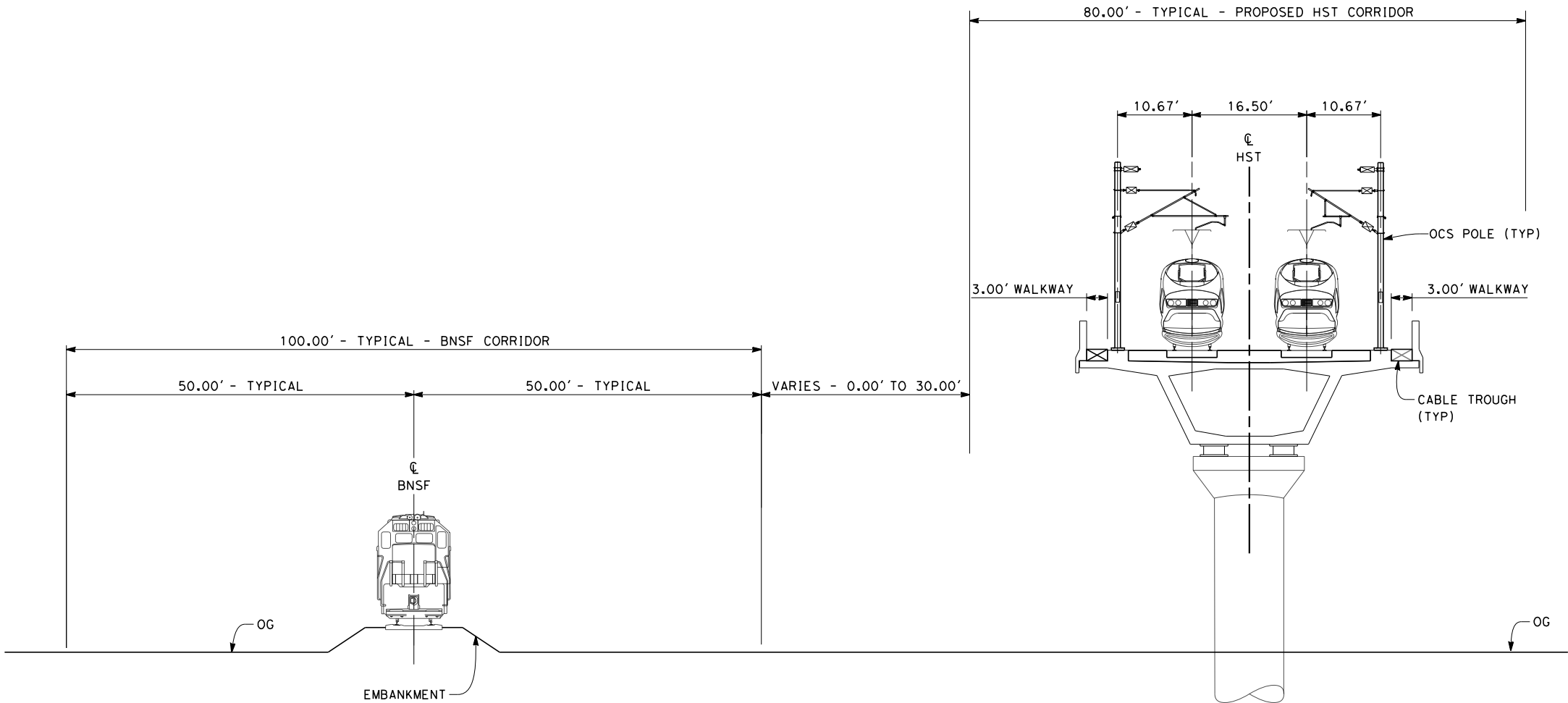


CALIFORNIA HIGH-SPEED TRAIN PROJECT FRESNO TO BAKERSFIELD
CORCORAN SUBSECTION ALIGNMENT C3 TYPICAL SECTIONS

CONTRACT NO. HSR 06-0003
DRAWING NO. CB3278
SCALE AS SHOWN
SHEET NO. 18 OF 20

joshua.thomas 12/12/2013 1:21:05 PM c:\pwworking\hmm\external\joshua.thomas-arup.com\d0123820\FB-CB-3279-C3.dgn

- NOTES:
1. TRACKFORM SHOWN IS INDICATIVE
 2. FOR STRUCTURE DIMENSIONS, SEE STRUCTURAL CROSS SECTIONS.
 3. SUPERELEVATION IS NOT SHOWN. THE AMOUNT OF APPLIED SUPERELEVATION IS SHOWN IN THE CURVE DATA TABLES.



SECTION 7

TWIN TRACKS - AERIAL VIADUCT ADJACENT TO SINGLE TRACK BNSF
STA 2844+00 THROUGH STA 2867+20
STA 2888+48 THROUGH STA 2889+86
STA 3029+98 THROUGH STA 3031+38



REV	DATE	BY	CHK	APP	DESCRIPTION

DESIGNED BY S. LITSAS
DRAWN BY J. BORGHESI
CHECKED BY K. SEYMOUR
IN CHARGE R. COFFIN
DATE 12/31/13

**RECORD SET 15%
DESIGN SUBMISSION**

**NOT FOR
CONSTRUCTION**

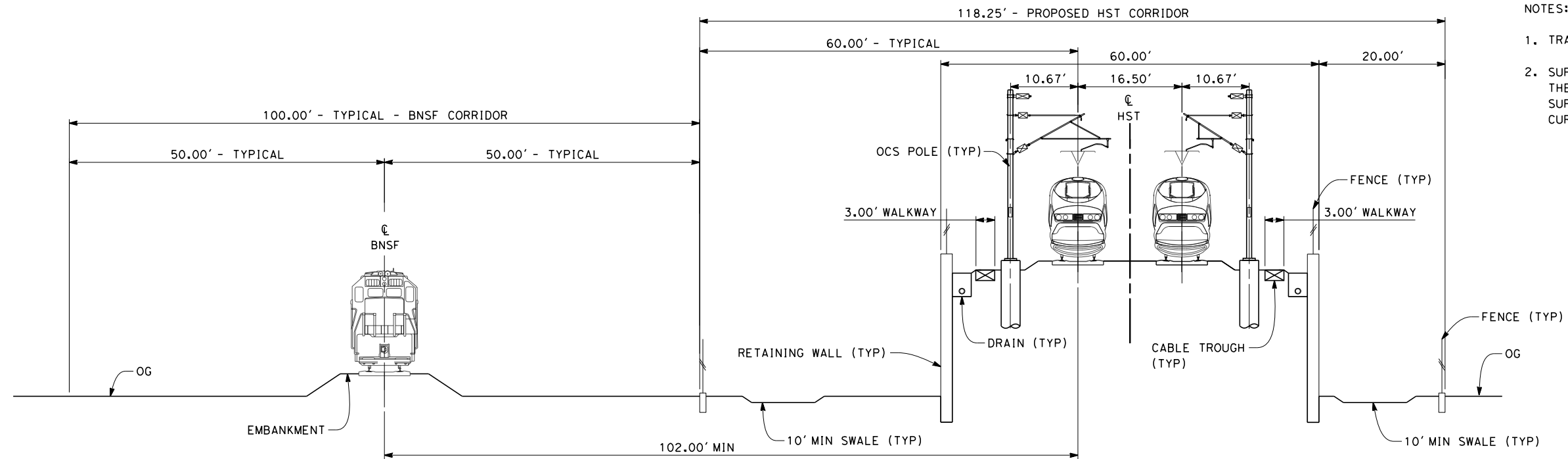


CALIFORNIA
HIGH-SPEED RAIL AUTHORITY

**CALIFORNIA HIGH-SPEED TRAIN PROJECT
FRESNO TO BAKERSFIELD**

CORCORAN SUBSECTION
ALIGNMENT C3
TYPICAL SECTIONS

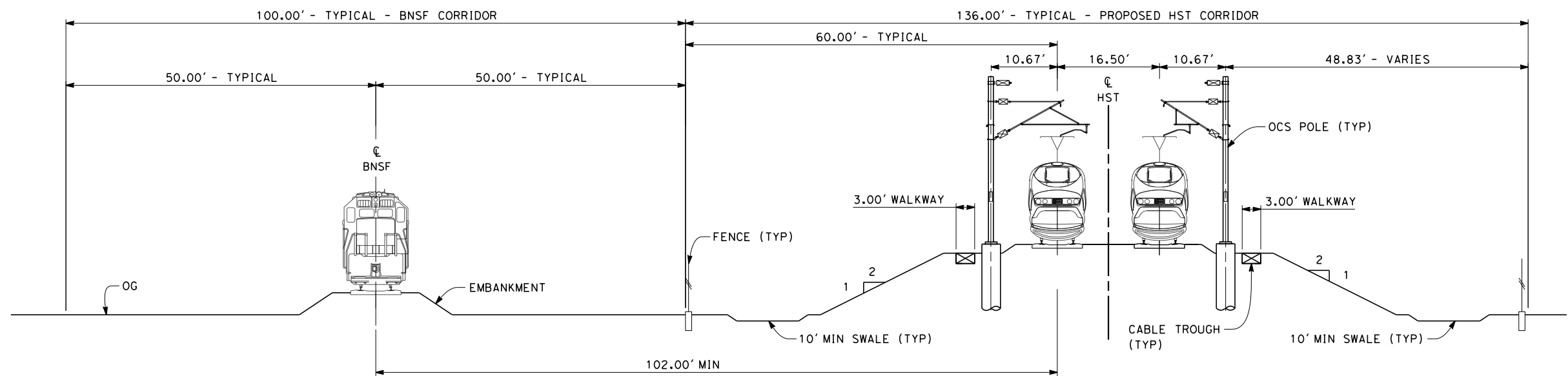
CONTRACT NO. HSR 06-0003
DRAWING NO. CB3279
SCALE AS SHOWN
SHEET NO. 19 OF 20



- NOTES:
1. TRACKFORM SHOWN IS INDICATIVE
 2. SUPERELEVATION IS NOT SHOWN. THE AMOUNT OF APPLIED SUPERELEVATION IS SHOWN IN THE CURVE DATA TABLES.

SECTION 8

TWIN TRACKS - RETAINED EMBANKMENT ADJACENT TO SINGLE TRACK BNSF
 STA 2867+20 THROUGH STA 2888+48
 STA 2889+86 THROUGH STA 2897+25
 STA 3000+00 THROUGH STA 3028+98
 STA 3031+38 THROUGH STA 3062+08



SECTION 9

TWIN TRACKS - ADJACENT TO SINGLE TRACK BNSF
 STA 2897+25 THROUGH STA 3000+00
 STA 3062+08 THROUGH STA 3096+00



REV	DATE	BY	CHK	APP	DESCRIPTION

DESIGNED BY
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 DRAWN BY
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 CHECKED BY
K. SEYMOUR
 IN CHARGE
R. COFFIN
 DATE
12/31/13

**RECORD SET 15%
 DESIGN SUBMISSION**

**NOT FOR
 CONSTRUCTION**



**CALIFORNIA HIGH-SPEED TRAIN PROJECT
 FRESNO TO BAKERSFIELD**
 CORCORAN SUBSECTION
 ALIGNMENT C3
 TYPICAL SECTIONS

CONTRACT NO.
HSR 06-0003
 DRAWING NO.
CB3280
 SCALE
AS SHOWN
 SHEET NO.
20 OF 20

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REV	DATE	BY	CHK	APP	DESCRIPTION

DESIGNED BY
S. LITSAS
DRAWN BY
J. BORGHESI
CHECKED BY
K. SEYMOUR
IN CHARGE
R. COFFIN
DATE
12/31/13

RECORD SET 15%
DESIGN SUBMISSION

NOT FOR
CONSTRUCTION

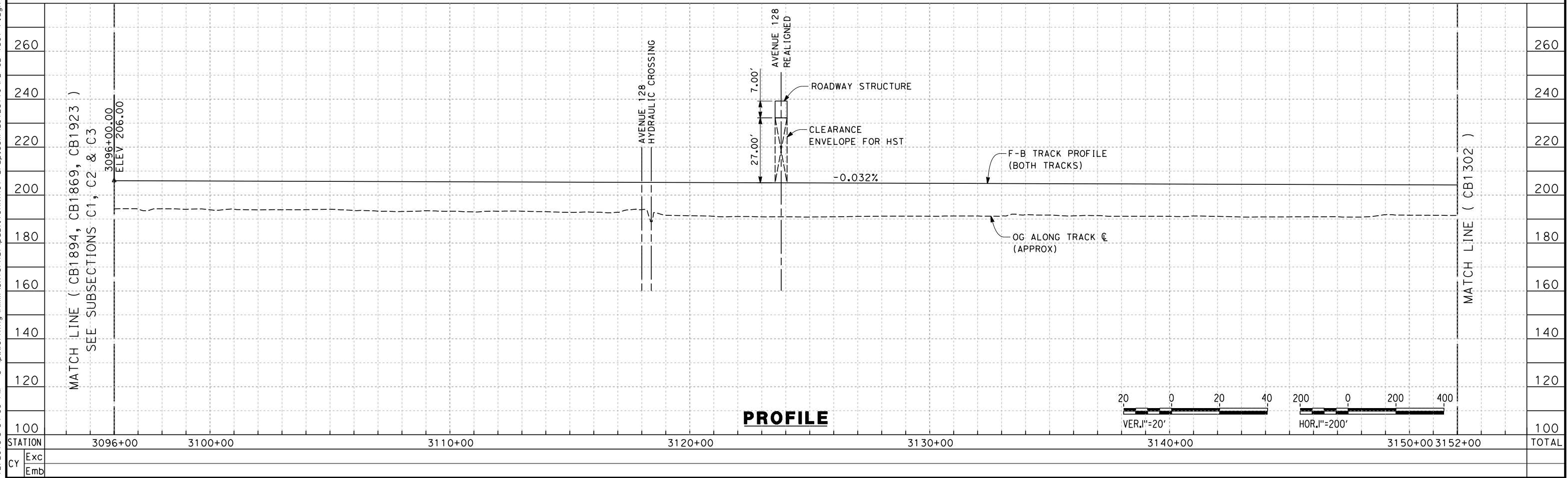
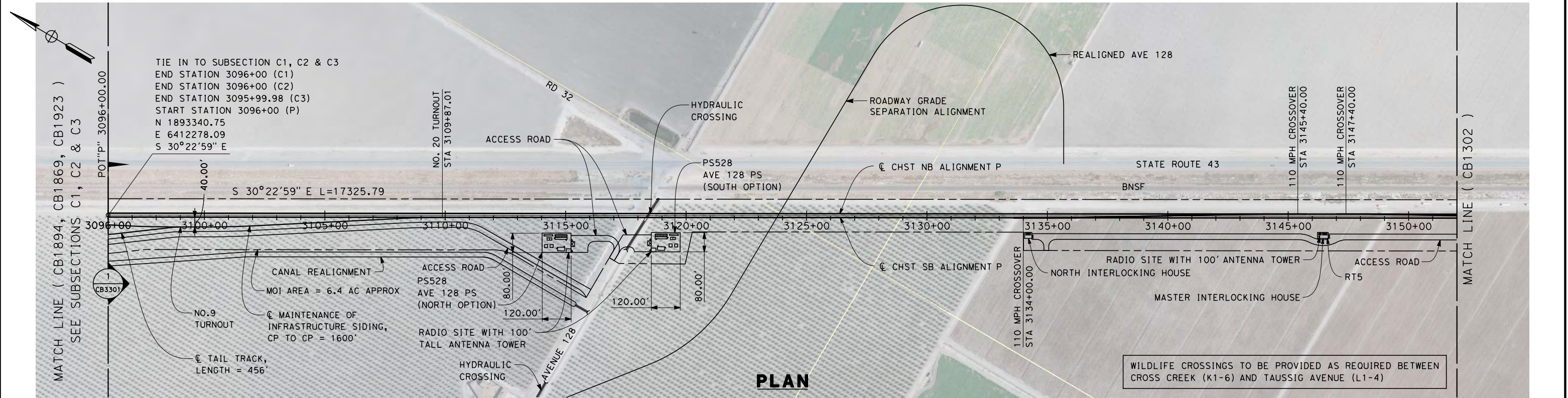



CALIFORNIA
HIGH-SPEED RAIL AUTHORITY

CALIFORNIA HIGH-SPEED TRAIN PROJECT
FRESNO TO BAKERSFIELD
PIXLEY SUBSECTION
ALIGNMENT P
STA. 3096+00 TO 3459+25
KEY MAP

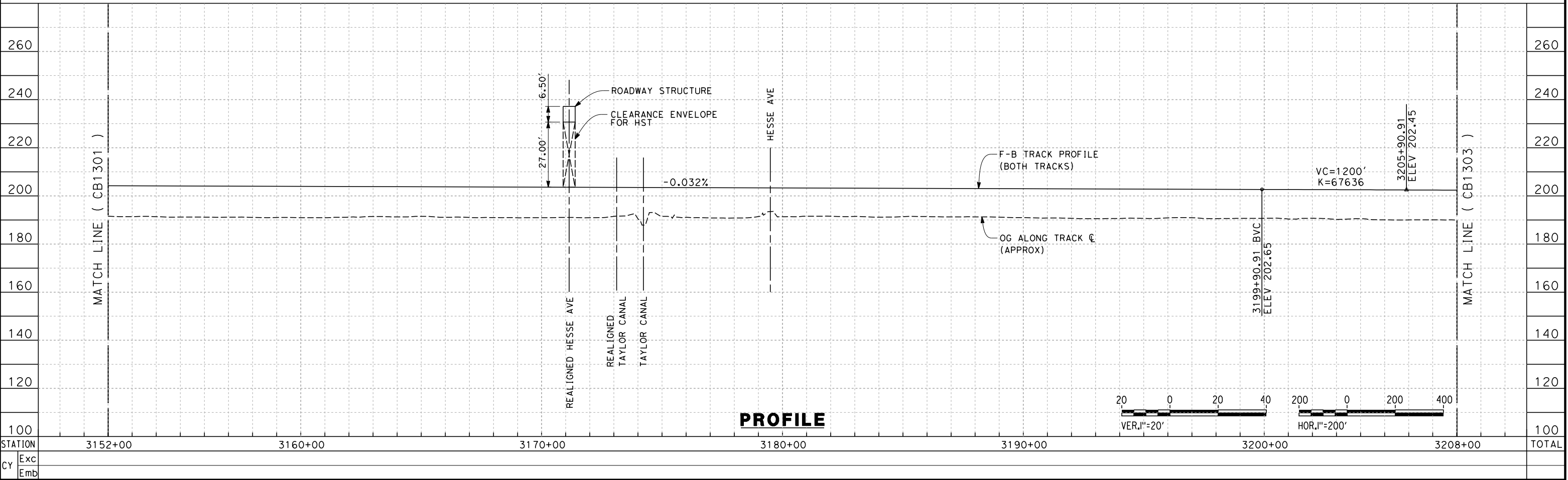
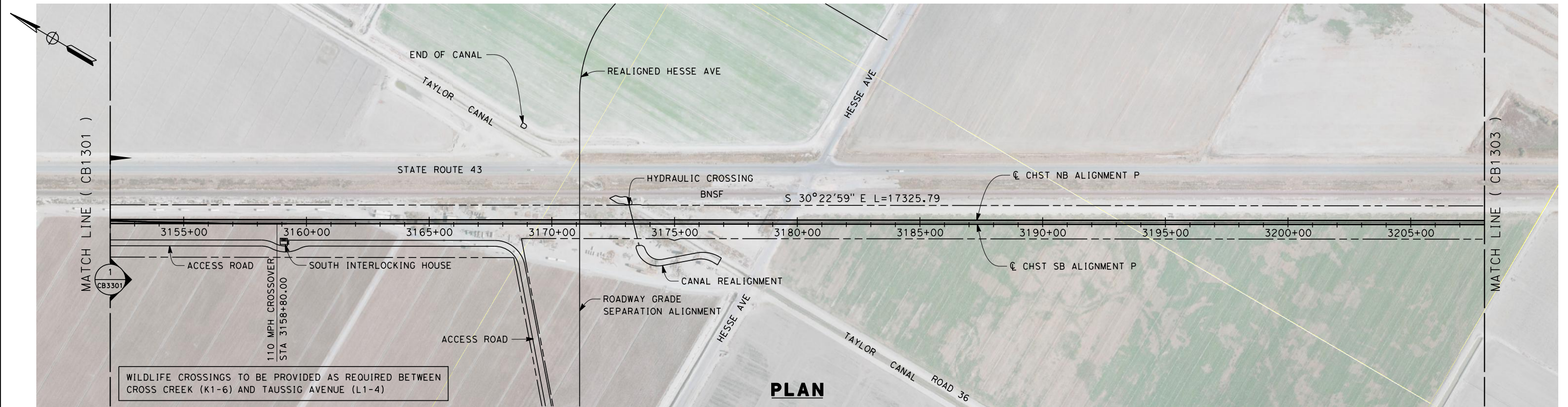
CONTRACT NO.
HSR 06-0003
DRAWING NO.
CB1300
SCALE
AS SHOWN
SHEET NO.
1 OF 9

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							DESIGNED BY S. LITSAS	RECORD SET 15% DESIGN SUBMISSION NOT FOR CONSTRUCTION	 CALIFORNIA HIGH-SPEED TRAIN		CALIFORNIA HIGH-SPEED TRAIN PROJECT FRESNO TO BAKERSFIELD PIXLEY SUBSECTION ALIGNMENT P STA. 3096+00 TO 3152+00 PLAN AND PROFILE		CONTRACT NO. HSR 06-0003
						DRAWN BY J. BORGHESI	DRAWING NO. CB1301						
						CHECKED BY K. SEYMOUR	SCALE AS SHOWN						
						IN CHARGE R. COFFIN	SHEET NO. 2 OF 9						
REV	DATE	BY	CHK	APP	DESCRIPTION	DATE 12/31/13							

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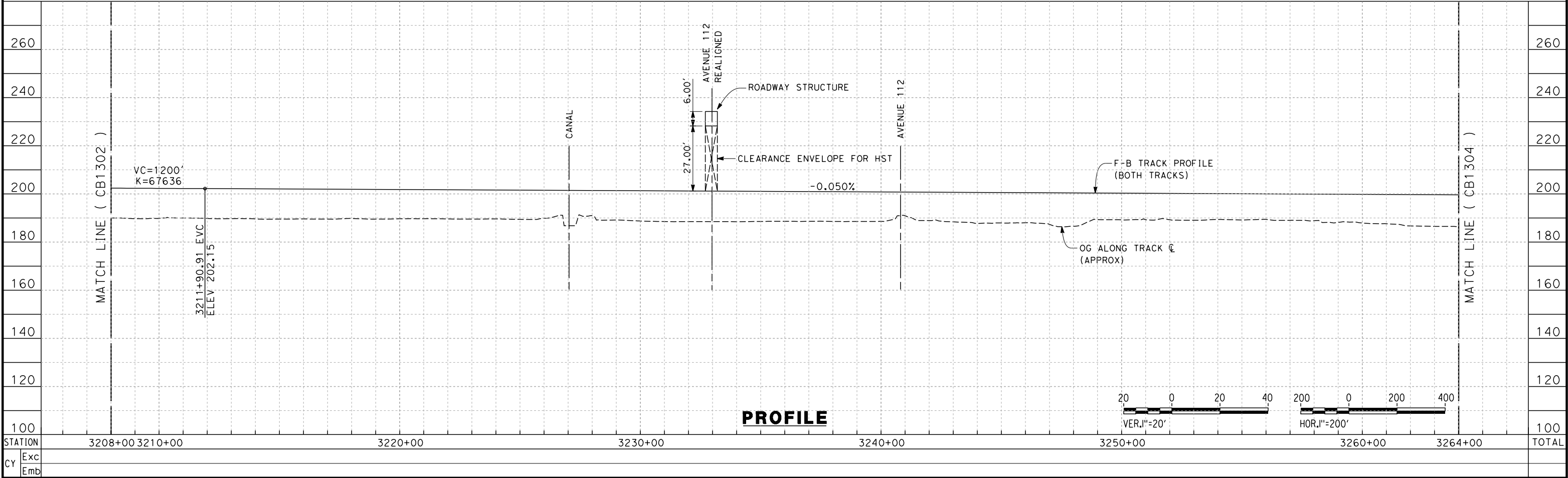
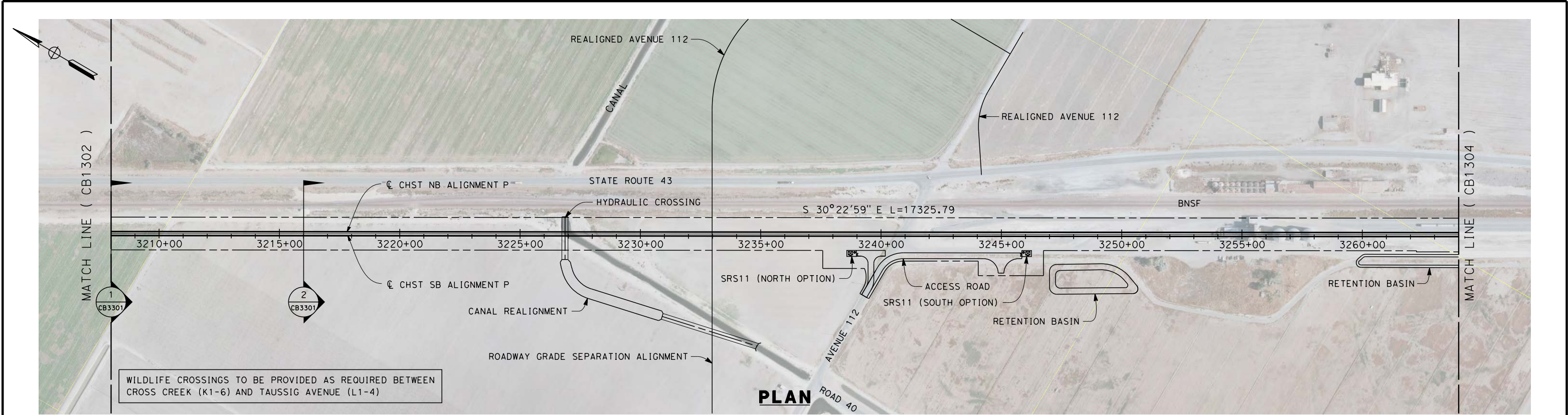
DESIGNED BY S. LITSAS
DRAWN BY J. BORGHESI
CHECKED BY K. SEYMOUR
IN CHARGE R. COFFIN
DATE 03/19/13

RECORD SET 15% DESIGN SUBMISSION
NOT FOR CONSTRUCTION



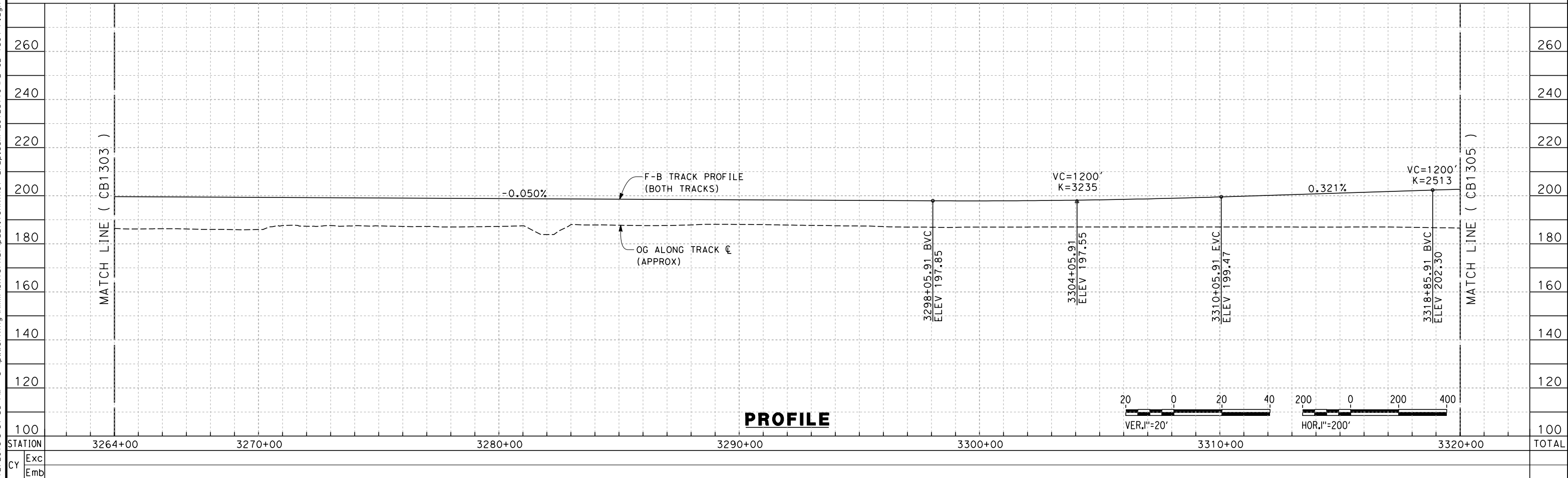
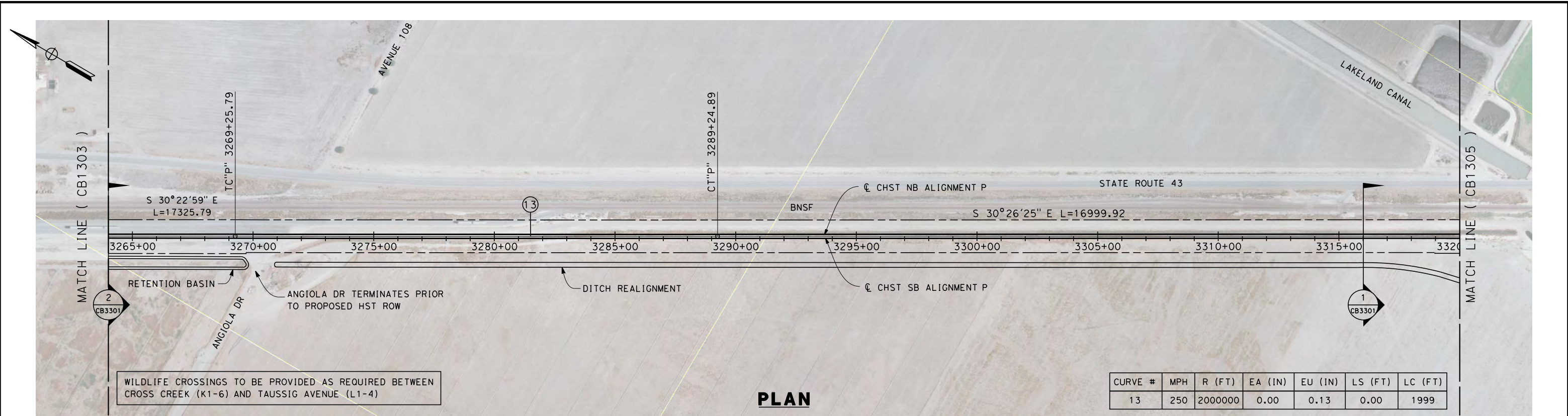
CALIFORNIA HIGH-SPEED TRAIN PROJECT FRESNO TO BAKERSFIELD PIXLEY SUBSECTION ALIGNMENT P STA. 3152+00 TO 3208+00 PLAN AND PROFILE

CONTRACT NO. HSR 06-0003
DRAWING NO. CB1302
SCALE AS SHOWN
SHEET NO. 3 OF 9



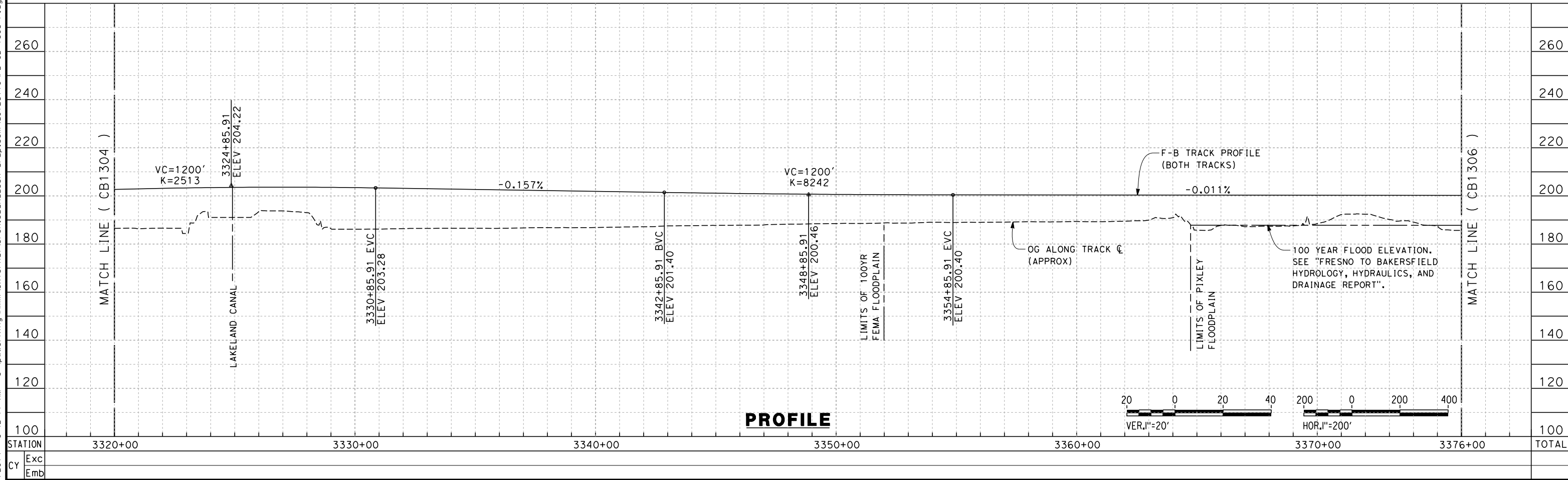
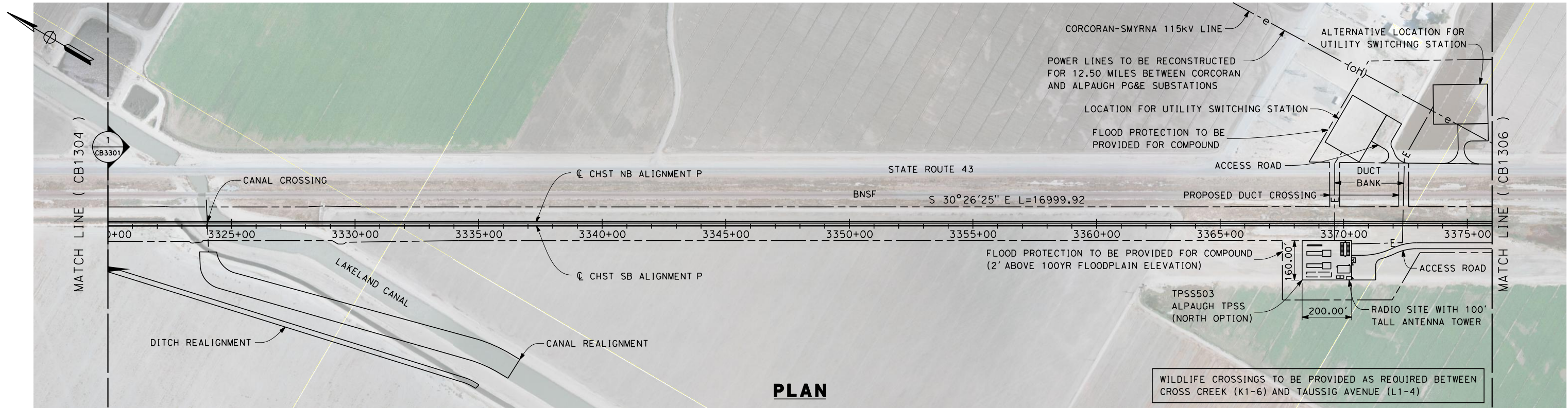
<div>DESIGNED BY S. LITSAS</div> <div>DRAWN BY J. BORGHESI</div> <div>CHECKED BY K. SEYMOUR</div> <div>IN CHARGE R. COFFIN</div> <div>DATE 12/31/13</div>					<div>RECORD SET 15% DESIGN SUBMISSION</div> <div>NOT FOR CONSTRUCTION</div>		<div>URS HMM ARUP</div> <div>CALIFORNIA HIGH-SPEED TRAIN</div>		<div></div> <div>CALIFORNIA HIGH-SPEED RAIL AUTHORITY</div>		<div>CALIFORNIA HIGH-SPEED TRAIN PROJECT FRESNO TO BAKERSFIELD</div> <div>PIXLEY SUBSECTION ALIGNMENT P STA. 3208+00 TO 3264+00 PLAN AND PROFILE</div>			<div>CONTRACT NO. HSR 06-0003</div> <div>DRAWING NO. CB1303</div> <div>SCALE AS SHOWN</div> <div>SHEET NO. 4 OF 9</div>	
REV	DATE	BY	CHK	APP	DESCRIPTION										

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<div>DESIGNED BY S. LITSAS</div> <div>DRAWN BY J. BORGHESI</div> <div>CHECKED BY K. SEYMOUR</div> <div>IN CHARGE R. COFFIN</div> <div>DATE 12/31/13</div>					<div>RECORD SET 15% DESIGN SUBMISSION</div> <div>NOT FOR CONSTRUCTION</div>		<div>URS HMM ARUP</div> <div>CALIFORNIA HIGH-SPEED TRAIN</div>		<div></div> <div>CALIFORNIA HIGH-SPEED RAIL AUTHORITY</div>		<div>CALIFORNIA HIGH-SPEED TRAIN PROJECT FRESNO TO BAKERSFIELD</div> <div>PIXLEY SUBSECTION ALIGNMENT P STA. 3264+00 TO 3320+00 PLAN AND PROFILE</div>			<div>CONTRACT NO. HSR 06-0003</div> <div>DRAWING NO. CB1304</div> <div>SCALE AS SHOWN</div> <div>SHEET NO. 5 OF 9</div>	
REV	DATE	BY	CHK	APP	DESCRIPTION										

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REV	DATE	BY	CHK	APP	DESCRIPTION

DESIGNED BY
S. LITSAS
DRAWN BY
J. BORGHESI
CHECKED BY
K. SEYMOUR
IN CHARGE
R. COFFIN
DATE
03/19/13

**RECORD SET 15%
DESIGN SUBMISSION**

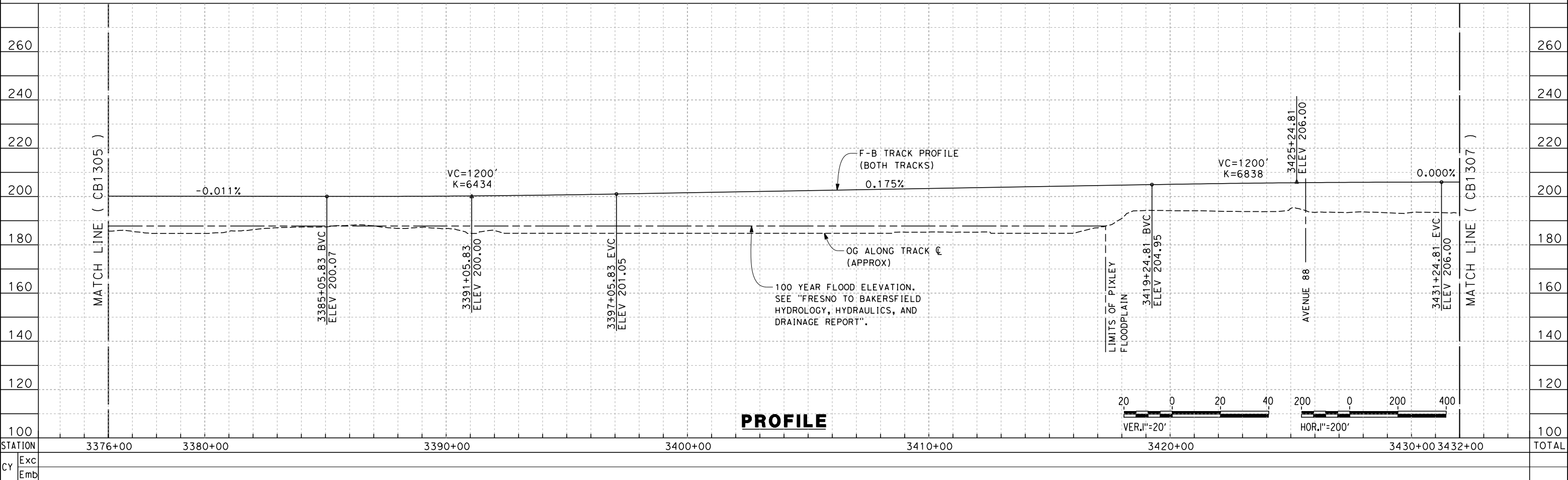
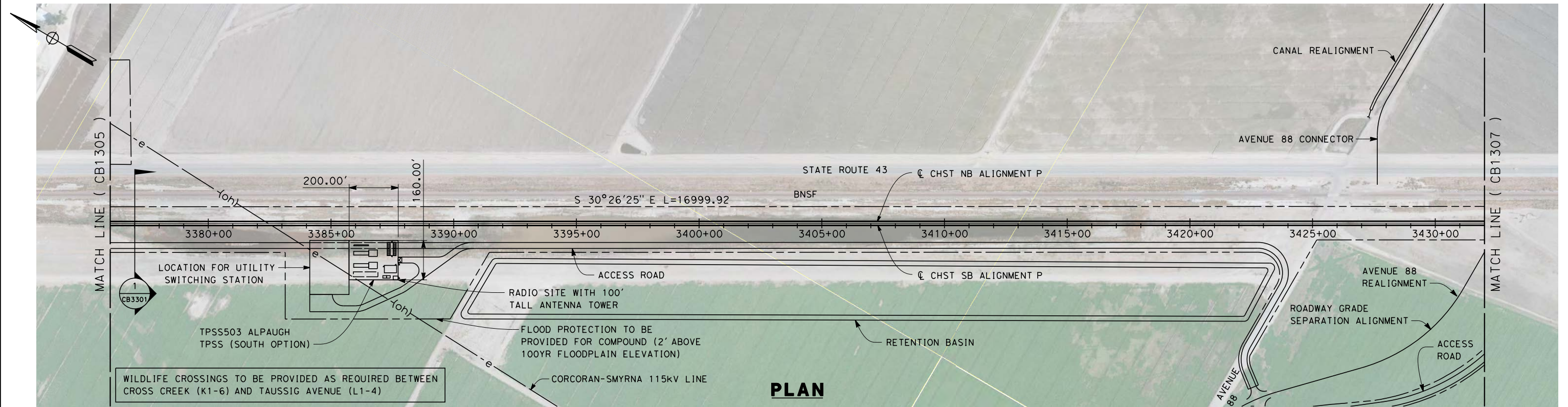
**NOT FOR
CONSTRUCTION**





**CALIFORNIA HIGH-SPEED TRAIN PROJECT
FRESNO TO BAKERSFIELD**
PIXLEY SUBSECTION
ALIGNMENT P
STA. 3320+00 TO 3376+00
PLAN AND PROFILE

CONTRACT NO.
HSR 06-0003
DRAWING NO.
CB1305
SCALE
AS SHOWN
SHEET NO.
6 OF 9

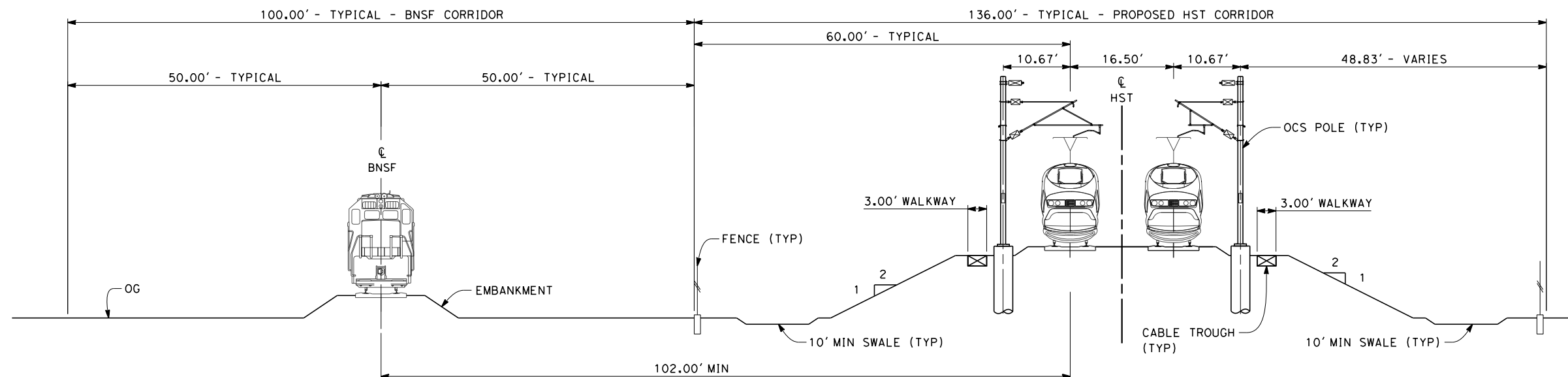
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							DESIGNED BY S. LITSAS	RECORD SET 15% DESIGN SUBMISSION - NOT FOR CONSTRUCTION	 	CALIFORNIA HIGH-SPEED TRAIN PROJECT FRESNO TO BAKERSFIELD PIXLEY SUBSECTION ALIGNMENT P STA. 3376+00 TO 3432+00 PLAN AND PROFILE		CONTRACT NO. HSR 06-0003
						DRAWN BY J. BORGHESI	DRAWING NO. CB1306					
						CHECKED BY K. SEYMOUR	SCALE AS SHOWN					
						IN CHARGE R. COFFIN	SHEET NO. 7 OF 9					
REV	DATE	BY	CHK	APP	DESCRIPTION	DATE 12/31/13						

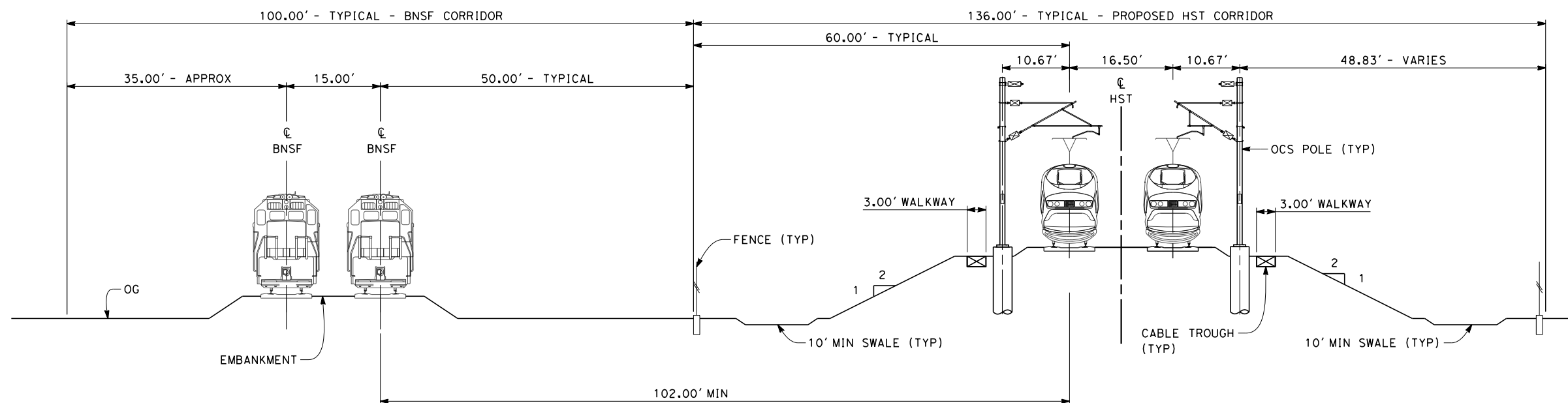
NOTES:

1. TRACKFORM SHOWN IS INDICATIVE.
2. FOR STRUCTURE DIMENSIONS SEE STRUCTURAL CROSS SECTIONS.



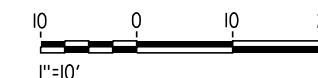
SECTION 1

TWIN TRACK - ADJACENT TO SINGLE TRACK BNSF
STA 3096+00 THROUGH STA 3216+00
STA 3316+00 THROUGH STA 3459+25



SECTION 2

TWIN TRACK - ADJACENT TO TWIN TRACK BNSF
STA 3216+00 THROUGH STA 3316+00



REV	DATE	BY	CHK	APP	DESCRIPTION

DESIGNED BY S. LITSAS
DRAWN BY J. BORGHESI
CHECKED BY K. SEYMOUR
IN CHARGE R. COFFIN
DATE 12/31/13

RECORD SET 15% DESIGN SUBMISSION
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CALIFORNIA HIGH-SPEED TRAIN PROJECT FRESNO TO BAKERSFIELD
PIXLEY SUBSECTION ALIGNMENT P TYPICAL SECTION

CONTRACT NO. HSR 06-0003
DRAWING NO. CB3301
SCALE AS SHOWN
SHEET NO. 9 OF 9

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LEGEND

EXISTING FREIGHT RAILROAD

PROPOSED CHST

30000

0

3000

6000

1"=3000'

REV	DATE	BY	CHK	APP	DESCRIPTION

DESIGNED BY S. LITSAS
DRAWN BY E. TANAKA
CHECKED BY G. WALKER
IN CHARGE R. COFFIN
DATE 12/31/13

RECORD SET 15%
DESIGN SUBMISSION

NOT FOR
CONSTRUCTION

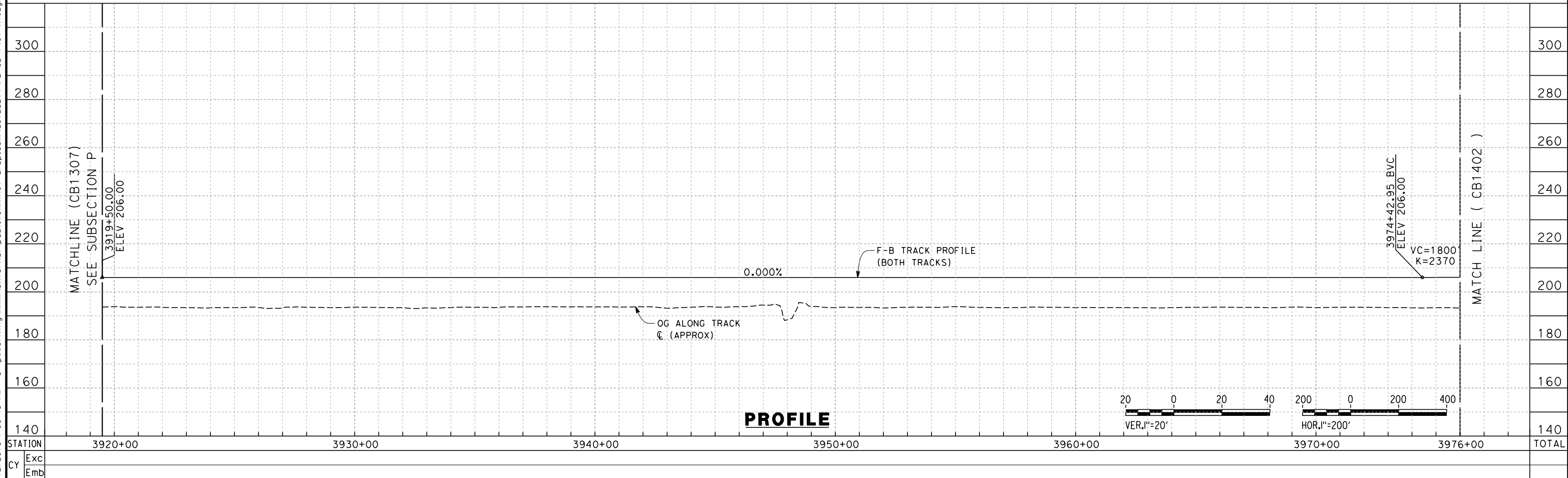
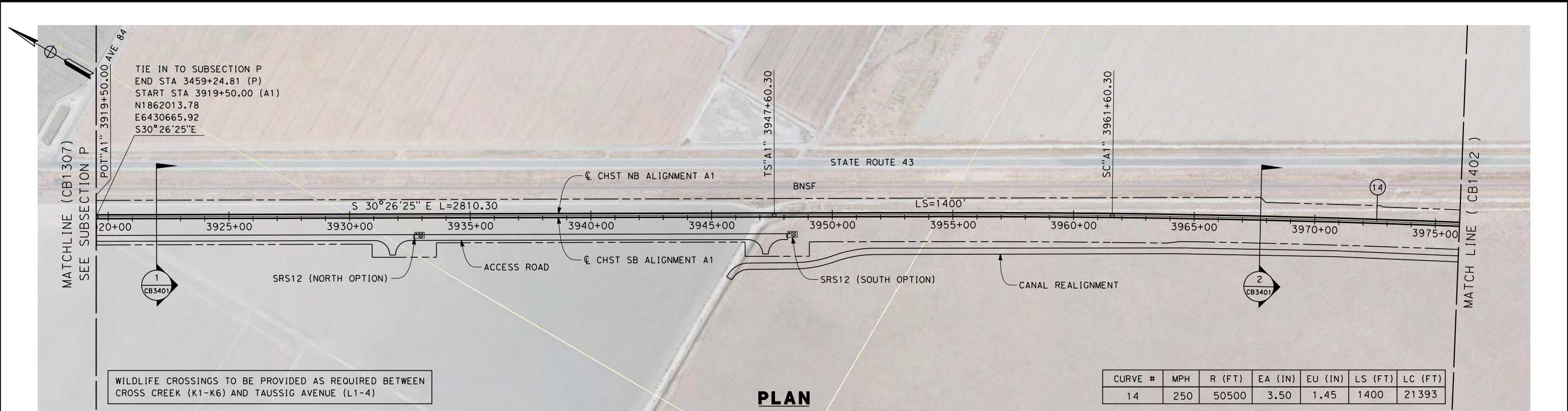


CALIFORNIA HIGH-SPEED TRAIN PROJECT
FRESNO TO BAKERSFIELD

ALLENSWORTH BYPASS SUBSECTION
ALIGNMENT A1
STA. 3919+50 TO 4925+51
KEY MAP

CONTRACT NO. HSR 06-0003
DRAWING NO. CB1400
SCALE AS SHOWN
SHEET NO. 1 OF 21

stephen.litsas 12/12/2013 4:06:48 PM c:\pwworking\hmm\external\paul.tonkin01-arup.com\d0123214\FB-CB-1401-A1.dgn



REV	DATE	BY	CHK	APP	DESCRIPTION

DESIGNED BY
S. LITSAS
DRAWN BY
E. TANAKA
CHECKED BY
G. WALKER
IN CHARGE
R. COFFIN
DATE
12/31/13

**RECORD SET 15%
DESIGN SUBMISSION**

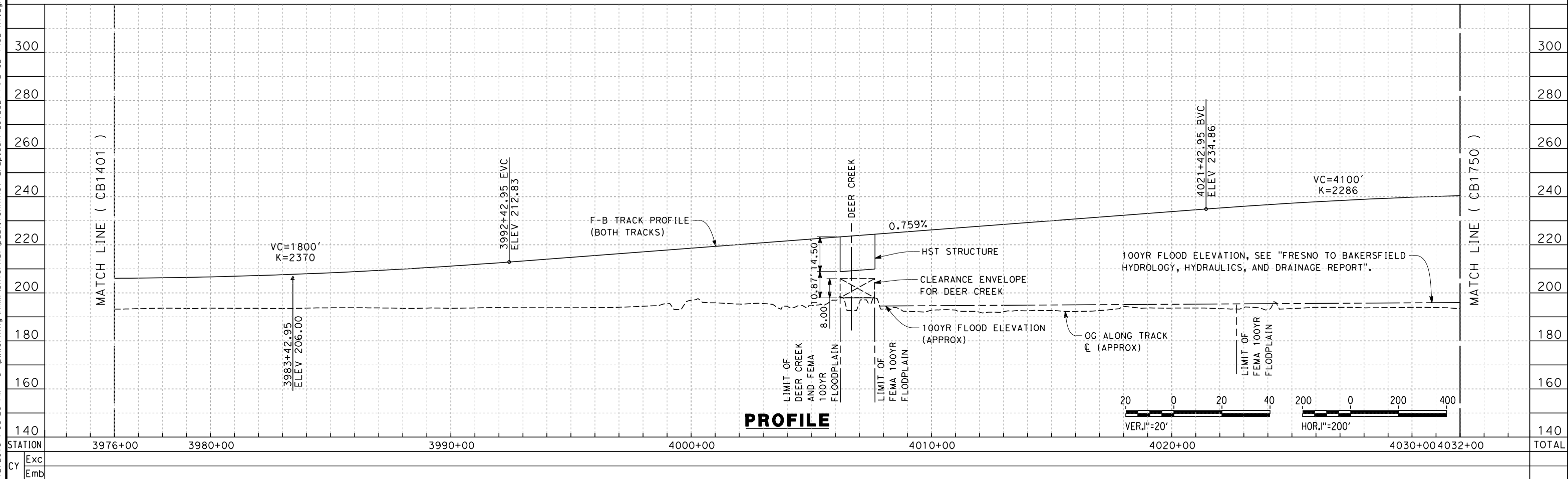
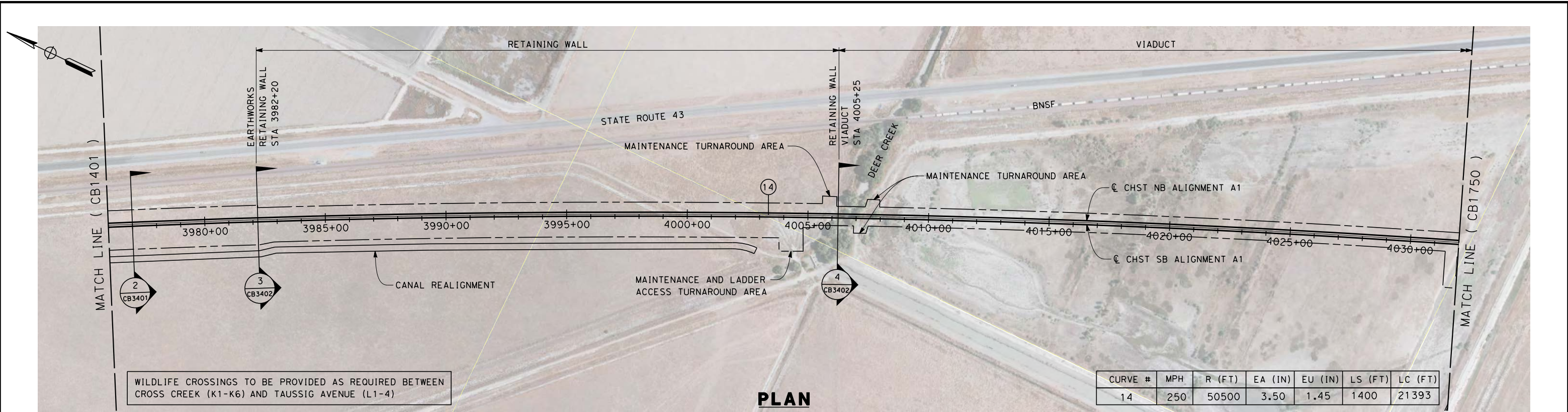
**NOT FOR
CONSTRUCTION**



**CALIFORNIA HIGH-SPEED TRAIN PROJECT
FRESNO TO BAKERSFIELD**
ALLENSWORTH BYPASS SUBSECTION
ALIGNMENT A1
STA. 3919+50 TO 3976+00
PLAN AND PROFILE

CONTRACT NO.
HSR 06-0003
DRAWING NO.
CB1401
SCALE
AS SHOWN
SHEET NO.
2 OF 21

stephen.litsas 12/12/2013 4:08:20 PM c:\pwworking\hmm\external\paul.tonkin\01-arup.com\d0123214\FB-CB-1402-A1.dgn



REV	DATE	BY	CHK	APP	DESCRIPTION

DESIGNED BY
S. LITSAS
DRAWN BY
E. TANAKA
CHECKED BY
G. WALKER
IN CHARGE
R. COFFIN
DATE
12/31/13

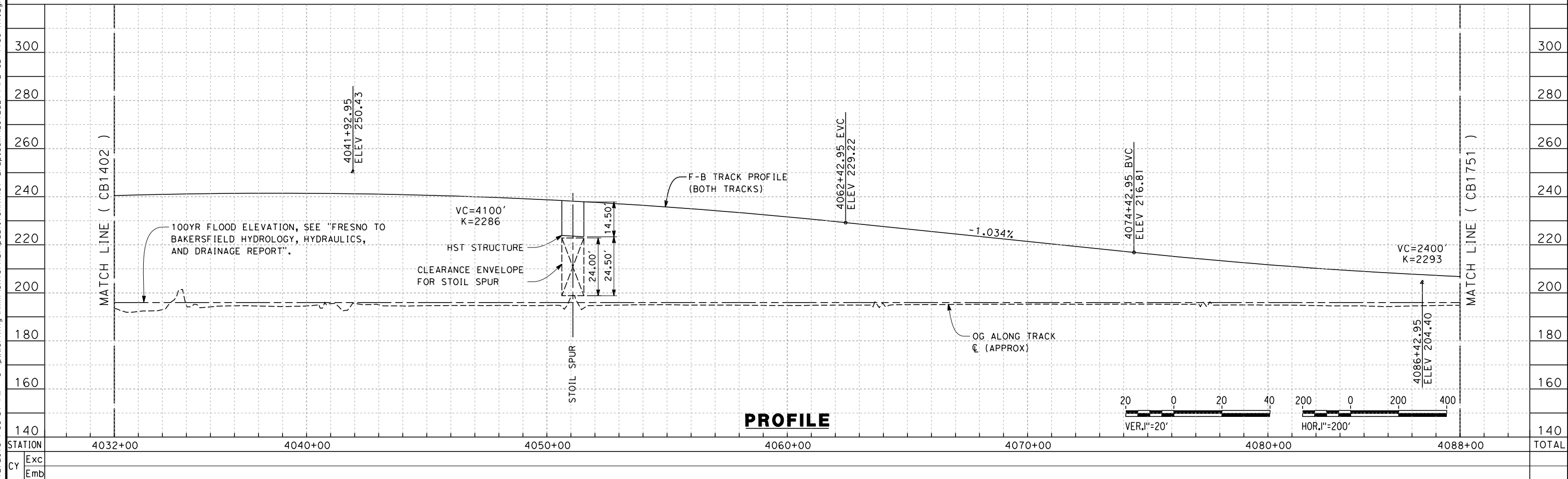
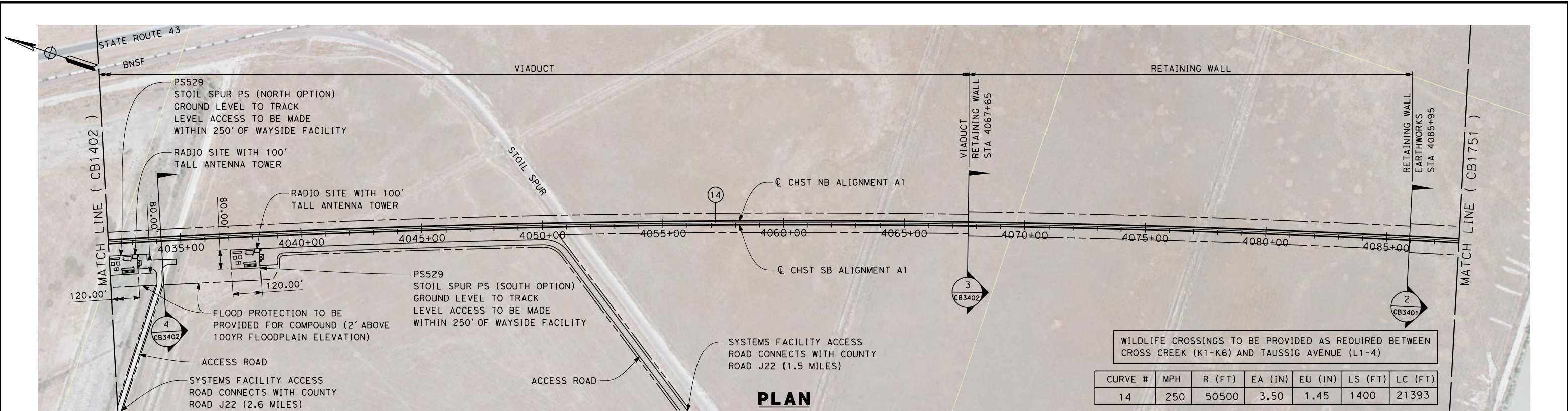
RECORD SET 15%
DESIGN SUBMISSION
NOT FOR
CONSTRUCTION



CALIFORNIA HIGH-SPEED TRAIN PROJECT
FRESNO TO BAKERSFIELD
ALLENSWORTH BYPASS SUBSECTION
ALIGNMENT A1
STA. 3976+00 TO 4032+00
PLAN AND PROFILE

CONTRACT NO.
HSR 06-0003
DRAWING NO.
CB1402
SCALE
AS SHOWN
SHEET NO.
3 OF 21

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REV	DATE	BY	CHK	APP	DESCRIPTION

DESIGNED BY
S. LITSAS

DRAWN BY
E. TANAKA

CHECKED BY
G. WALKER

IN CHARGE
R. COFFIN

DATE
12/31/13

**RECORD SET 15%
DESIGN SUBMISSION**

**NOT FOR
CONSTRUCTION**



**CALIFORNIA HIGH-SPEED TRAIN PROJECT
FRESNO TO BAKERSFIELD**

ALLENSWORTH BYPASS SUBSECTION
ALIGNMENT A1
STA. 4032+00 TO 4088+00
PLAN AND PROFILE

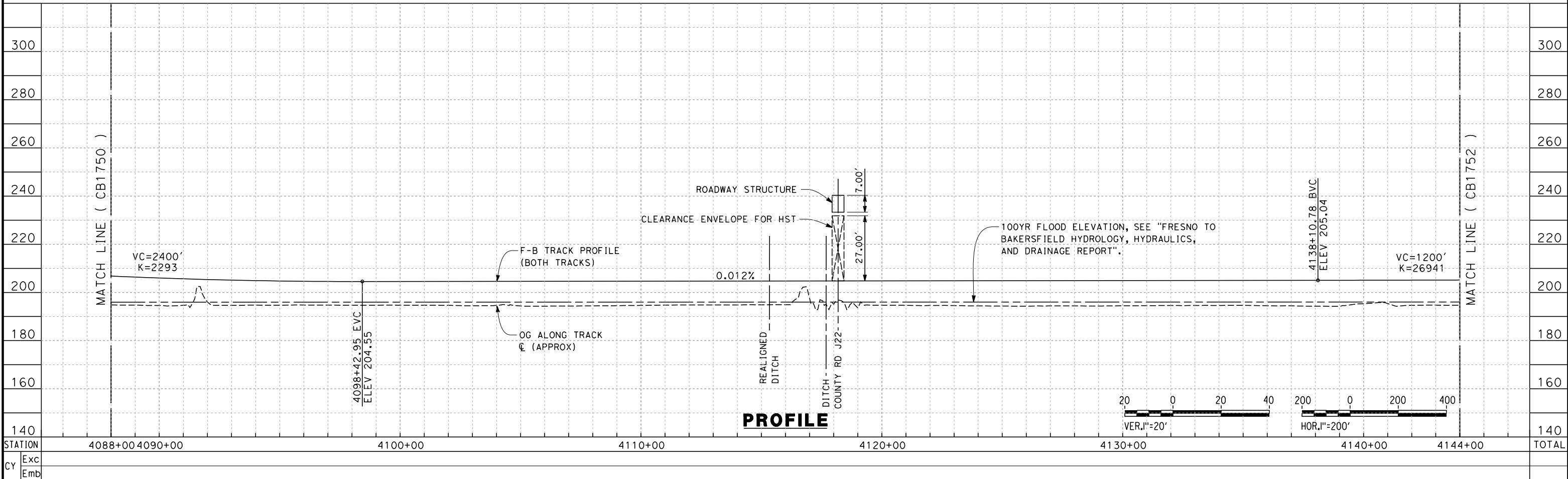
CONTRACT NO.
HSR 06-0003



DRAWING NO.
CB1750

SCALE
AS SHOWN

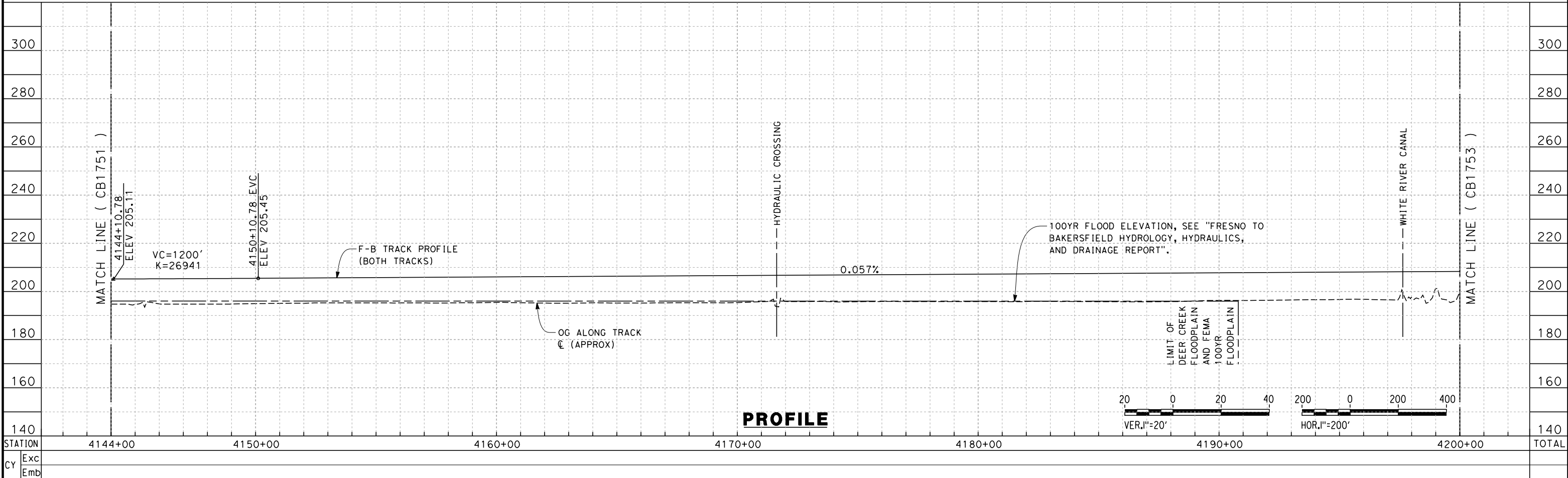
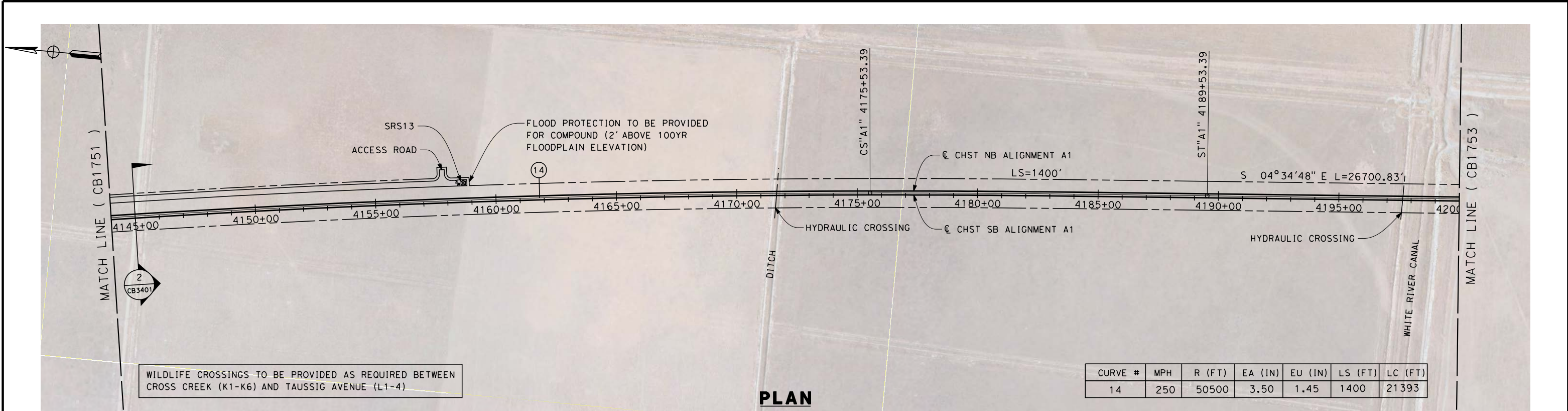
SHEET NO.
4 OF 21

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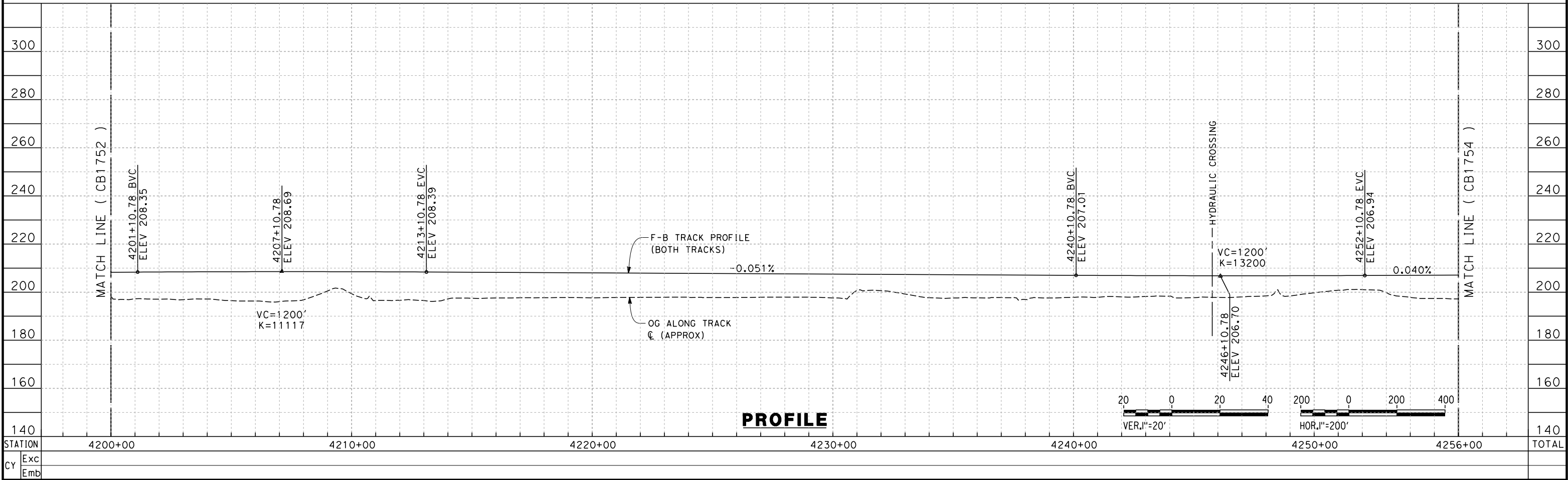
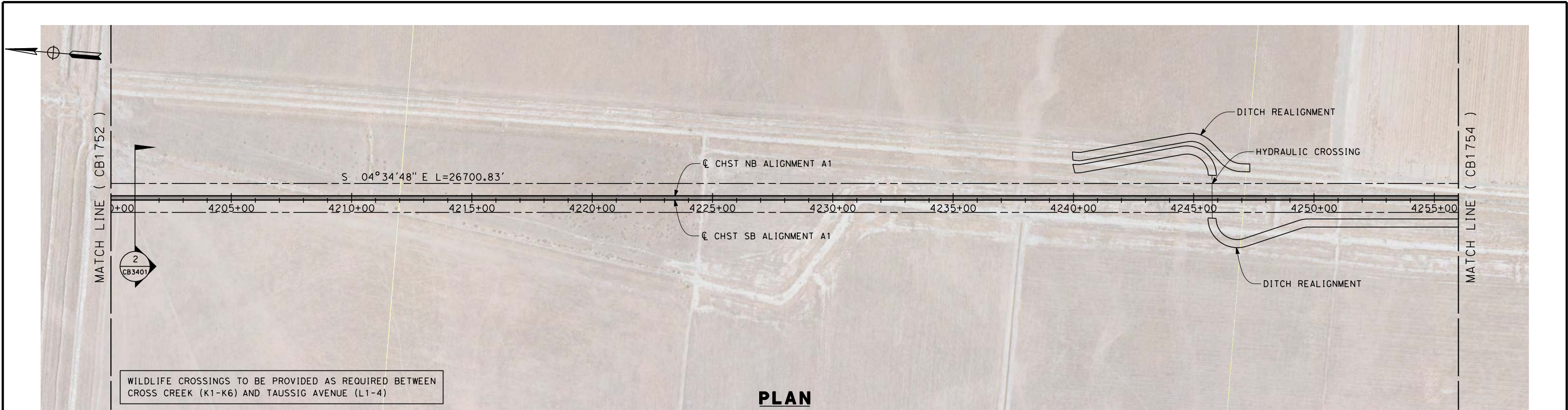
						DESIGNED BY S. LITSAS	RECORD SET 15% DESIGN SUBMISSION NOT FOR CONSTRUCTION	 	CALIFORNIA HIGH-SPEED TRAIN PROJECT FRESNO TO BAKERSFIELD ALLENSWORTH BYPASS SUBSECTION ALIGNMENT A1 STA. 4088+00 TO 4144+00 PLAN AND PROFILE	CONTRACT NO. HSR 06-0003
						DRAWN BY E. TANAKA				DRAWING NO. CB1751
						CHECKED BY G. WALKER				SCALE AS SHOWN
						IN CHARGE R. COFFIN				SHEET NO. 5 OF 21
						DATE 12/31/13				
REV	DATE	BY	CHK	APP	DESCRIPTION					

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<div>DESIGNED BY S. LITSAS</div> <div>DRAWN BY E. TANAKA</div> <div>CHECKED BY G. WALKER</div> <div>IN CHARGE R. COFFIN</div> <div>DATE 12/31/13</div>					<div>RECORD SET 15% DESIGN SUBMISSION</div> <div>NOT FOR CONSTRUCTION</div>		<div>URS HMM ARUP</div> <div>CALIFORNIA HIGH-SPEED TRAIN</div>		<div>CALIFORNIA HIGH-SPEED RAIL AUTHORITY</div>		<div>CALIFORNIA HIGH-SPEED TRAIN PROJECT FRESNO TO BAKERSFIELD</div> <div>ALLENSWORTH BYPASS SUBSECTION ALIGNMENT A1 STA. 4144+00 TO 4200+00 PLAN AND PROFILE</div>			<div>CONTRACT NO. HSR 06-0003</div> <div>DRAWING NO. CB1752</div> <div>SCALE AS SHOWN</div> <div>SHEET NO. 6 OF 21</div>	
REV	DATE	BY	CHK	APP	DESCRIPTION										

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REV	DATE	BY	CHK	APP	DESCRIPTION

DESIGNED BY
S. LITSAS
DRAWN BY
E. TANAKA
CHECKED BY
G. WALKER
IN CHARGE
R. COFFIN
DATE
12/31/13

RECORD SET 15%
DESIGN SUBMISSION

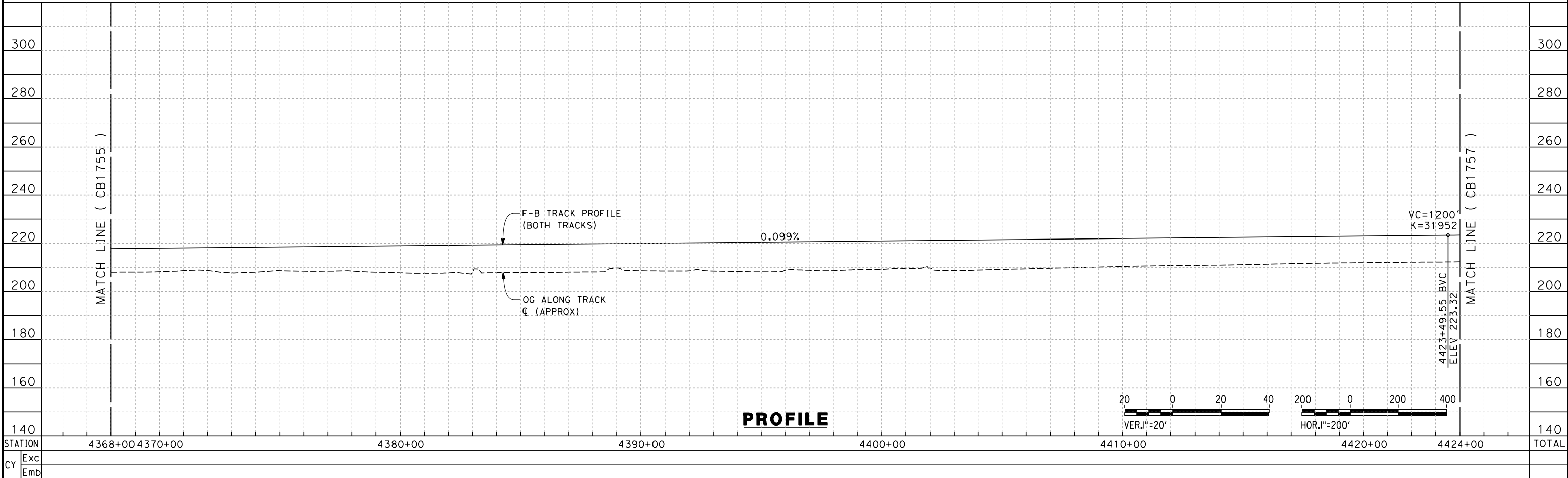
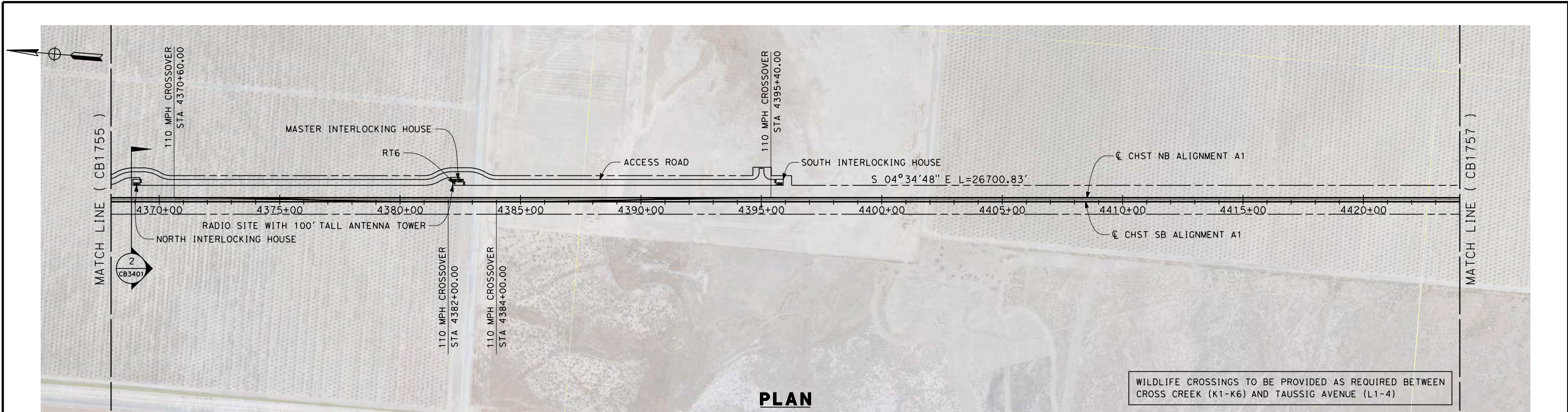
NOT FOR
CONSTRUCTION





**CALIFORNIA HIGH-SPEED TRAIN PROJECT
FRESNO TO BAKERSFIELD**
ALLENSWORTH BYPASS SUBSECTION
ALIGNMENT A1
STA. 4200+00 TO 4256+00
PLAN AND PROFILE

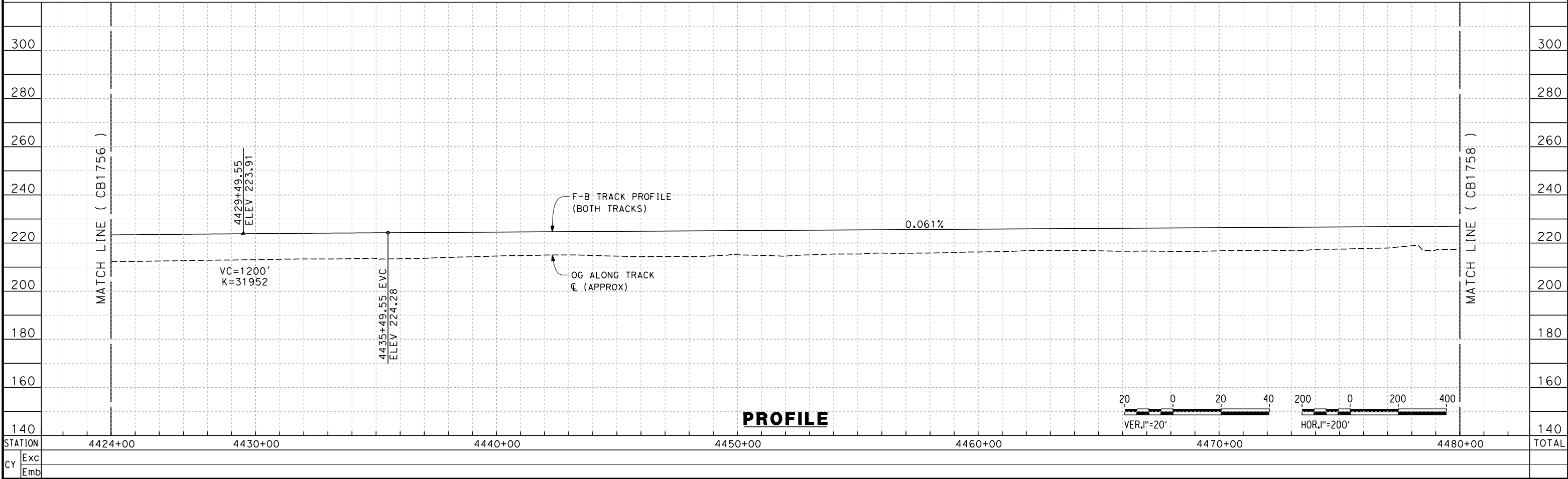
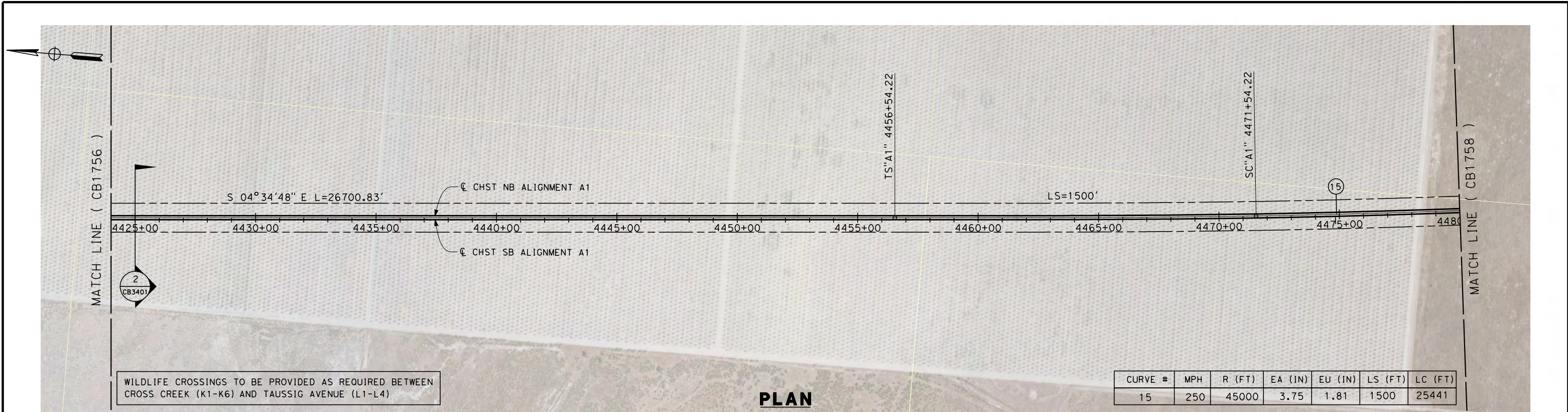
CONTRACT NO.
HSR 06-0003
DRAWING NO.
CB1753
SCALE
AS SHOWN
SHEET NO.
7 OF 21

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						DESIGNED BY S. LITSAS	RECORD SET 15% DESIGN SUBMISSION - NOT FOR CONSTRUCTION			CALIFORNIA HIGH-SPEED TRAIN PROJECT FRESNO TO BAKERSFIELD ALLENSWORTH BYPASS SUBSECTION ALIGNMENT A1 STA. 4368+00 TO 4424+00 PLAN AND PROFILE	CONTRACT NO. HSR 06-0003
						DRAWN BY E. TANAKA					DRAWING NO. CB1756
						CHECKED BY G. WALKER					SCALE AS SHOWN
						IN CHARGE R. COFFIN					SHEET NO. 10 OF 21
REV	DATE	BY	CHK	APP	DESCRIPTION	DATE 12/31/13					

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REV	DATE	BY	CHK	APP	DESCRIPTION

DESIGNED BY
S. LITSAS
DRAWN BY
E. TANAKA
CHECKED BY
G. WALKER
IN CHARGE
R. COFFIN
DATE
12/31/13

RECORD SET 15%
DESIGN SUBMISSION

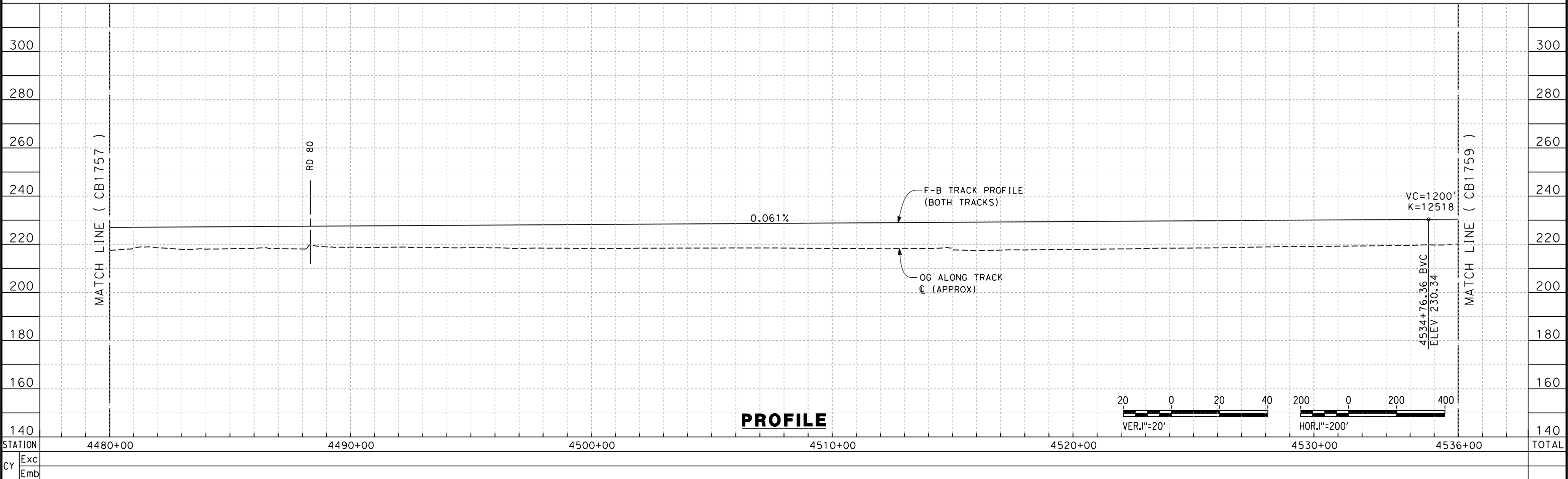
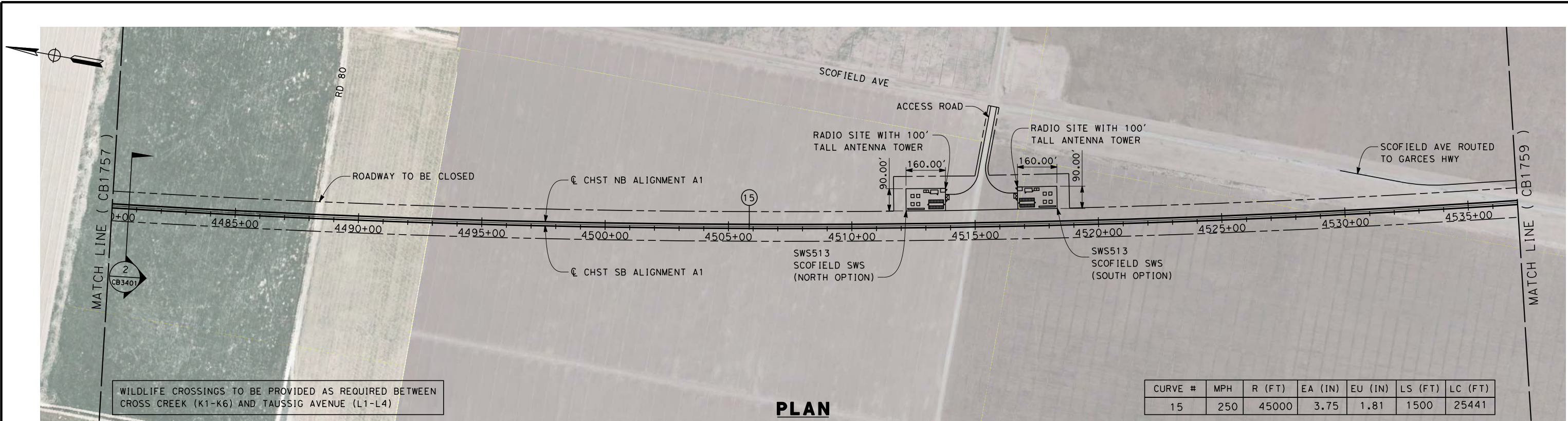
NOT FOR
CONSTRUCTION



**CALIFORNIA HIGH-SPEED TRAIN PROJECT
FRESNO TO BAKERSFIELD**
ALLENSWORTH BYPASS SUBSECTION
ALIGNMENT A1
STA. 4424+00 TO 4480+00
PLAN AND PROFILE

CONTRACT NO.
HSR 06-0003
DRAWING NO.
CB1757
SCALE
AS SHOWN
SHEET NO.
11 OF 21

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REV	DATE	BY	CHK	APP	DESCRIPTION

DESIGNED BY
S. LITSAS
DRAWN BY
E. TANAKA
CHECKED BY
G. WALKER
IN CHARGE
R. COFFIN
DATE
12/31/13

RECORD SET 15%
DESIGN SUBMISSION

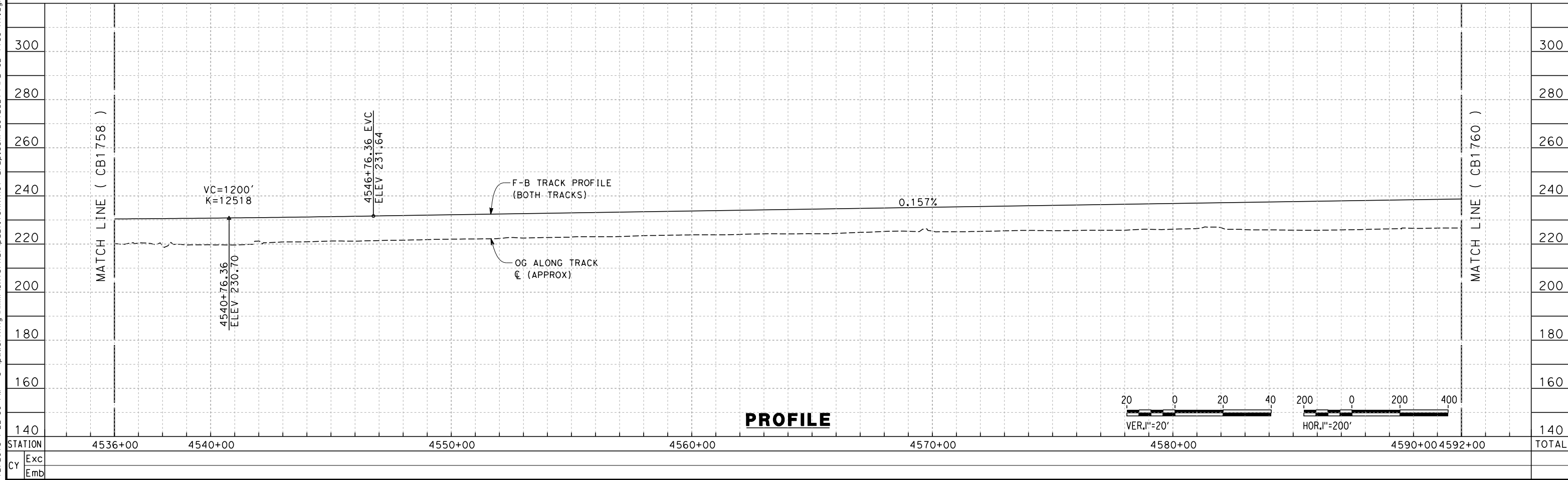
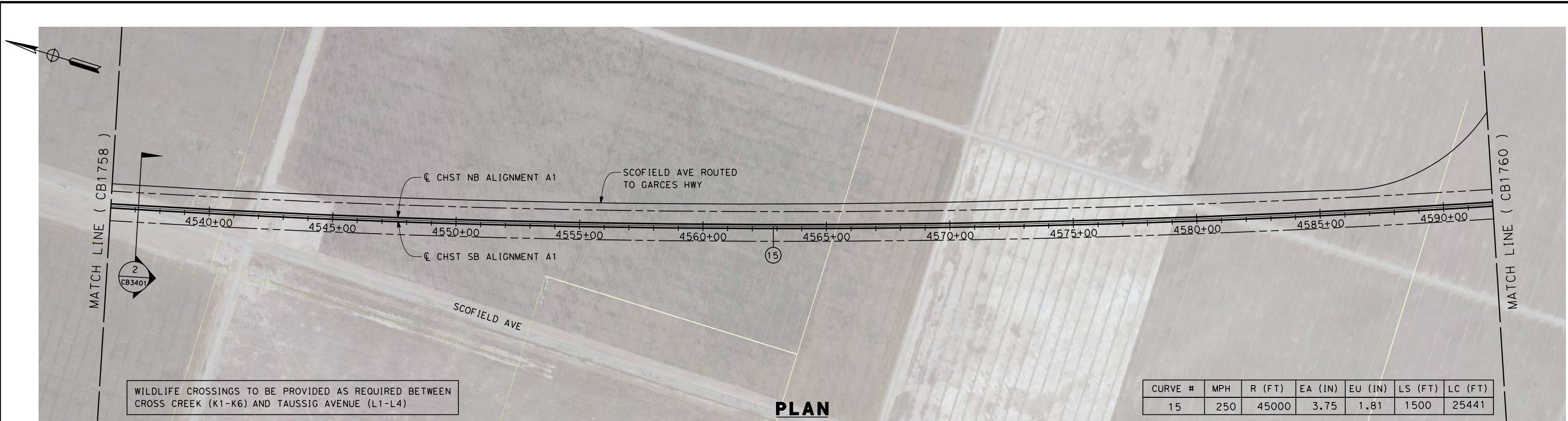
NOT FOR
CONSTRUCTION



**CALIFORNIA HIGH-SPEED TRAIN PROJECT
FRESNO TO BAKERSFIELD**
ALLENSWORTH BYPASS SUBSECTION
ALIGNMENT A1
STA. 4480+00 TO 4536+00
PLAN AND PROFILE

CONTRACT NO.
HSR 06-0003
DRAWING NO.
CB1758
SCALE
AS SHOWN
SHEET NO.
12 OF 21

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REV	DATE	BY	CHK	APP	DESCRIPTION

DESIGNED BY S. LITSAS
DRAWN BY E. TANAKA
CHECKED BY G. WALKER
IN CHARGE R. COFFIN
DATE 12/31/13

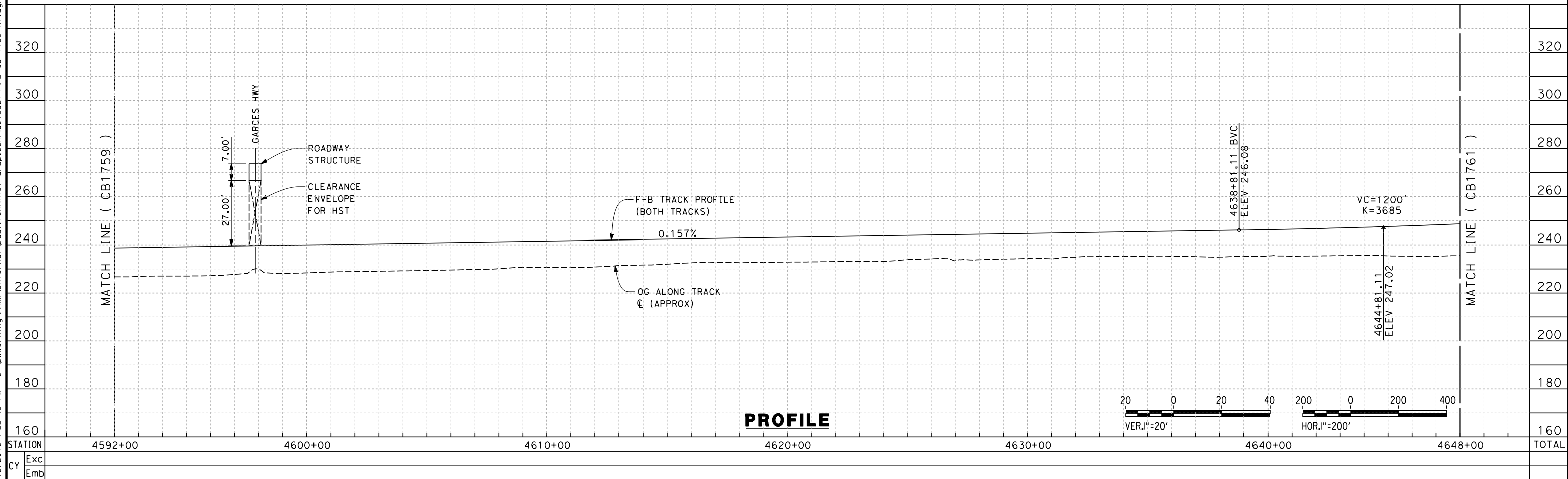
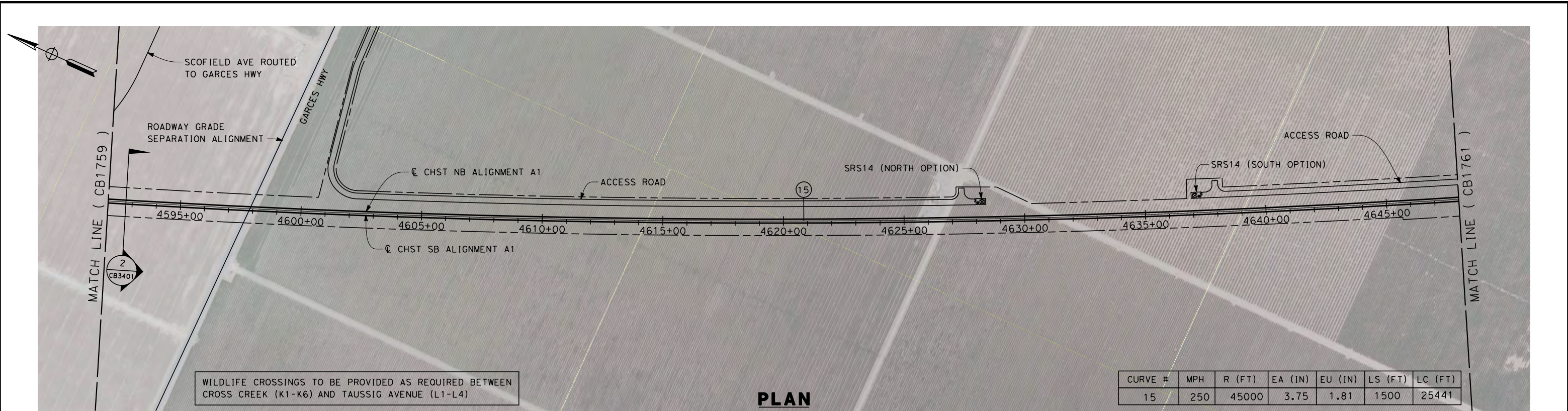
RECORD SET 15% DESIGN SUBMISSION
NOT FOR CONSTRUCTION



CALIFORNIA HIGH-SPEED TRAIN PROJECT FRESNO TO BAKERSFIELD ALLENSWORTH BYPASS SUBSECTION ALIGNMENT A1 STA. 4536+00 TO 4592+00 PLAN AND PROFILE
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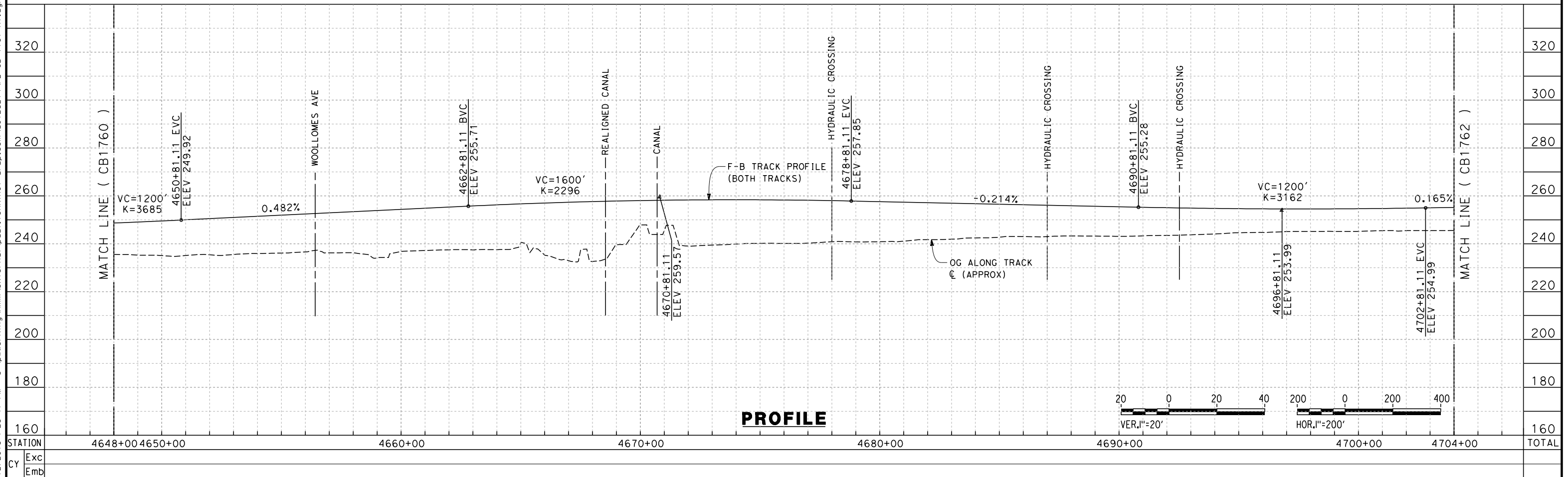
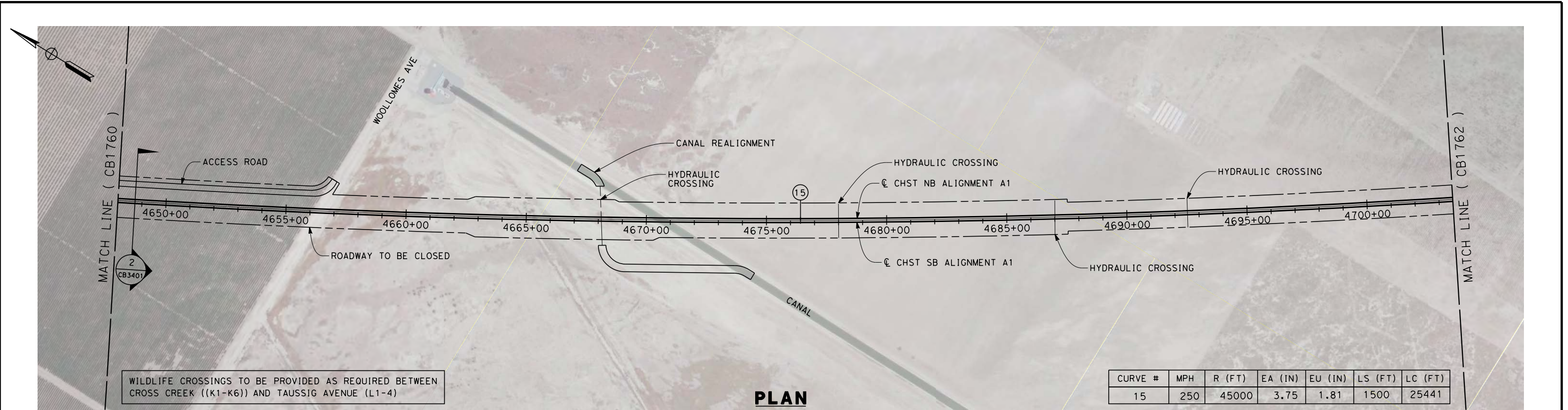
CONTRACT NO. HSR 06-0003
DRAWING NO. CB1759
SCALE AS SHOWN
SHEET NO. 13 OF 21

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REV	DATE	BY	CHK	APP	DESCRIPTION										

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REV	DATE	BY	CHK	APP	DESCRIPTION

DESIGNED BY
S. LITSAS
DRAWN BY
E. TANAKA
CHECKED BY
G. WALKER
IN CHARGE
R. COFFIN
DATE
12/31/13

**RECORD SET 15%
DESIGN SUBMISSION**

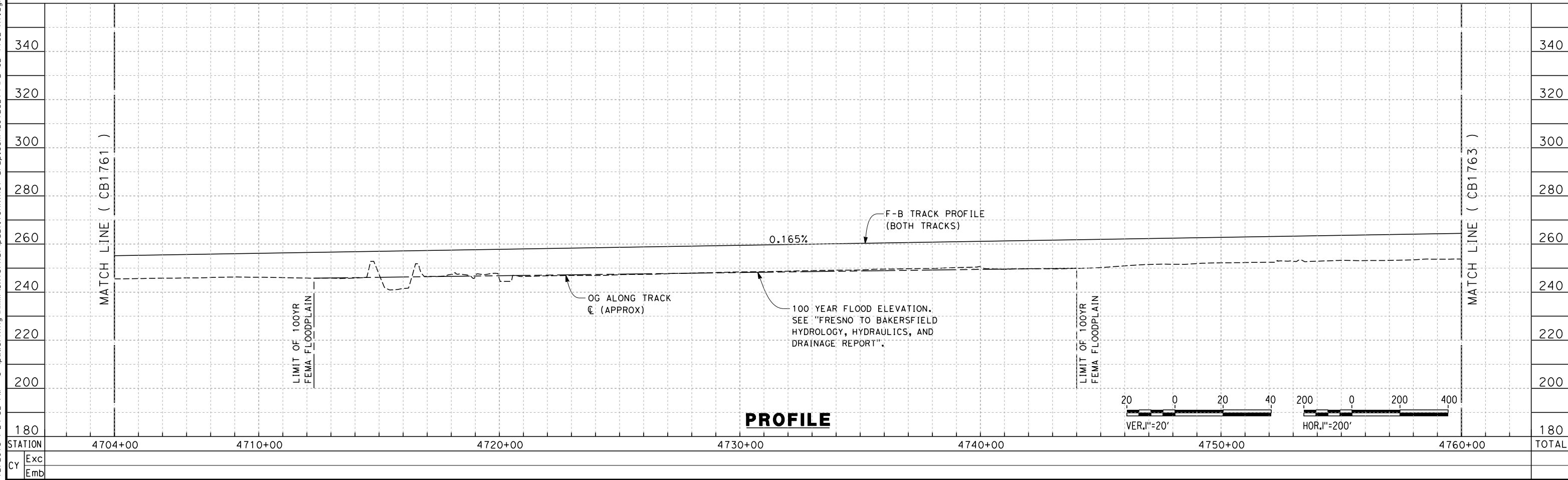
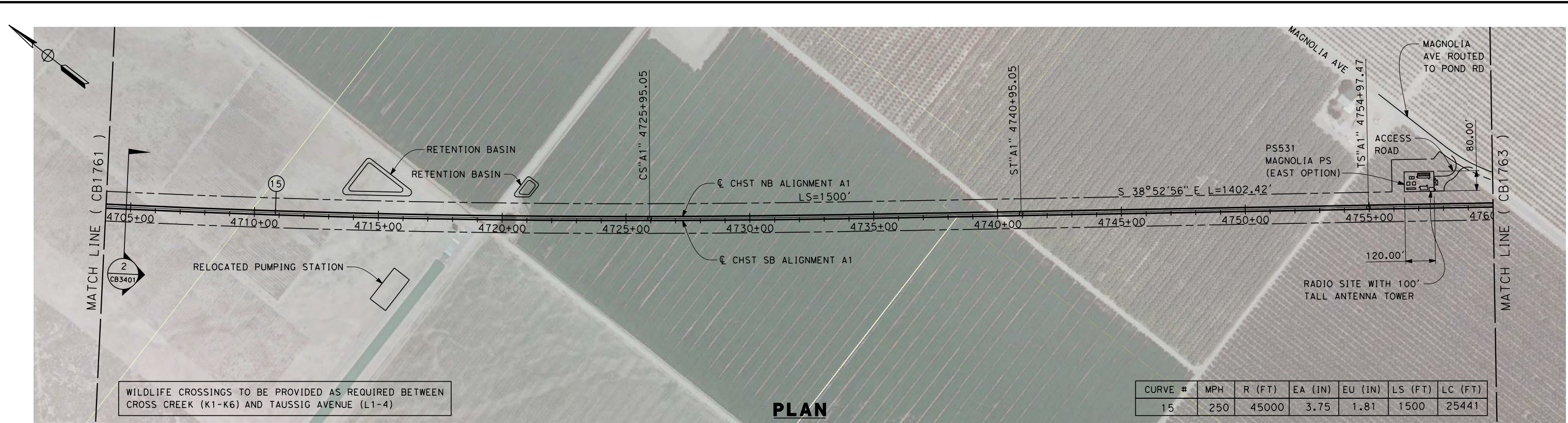
**NOT FOR
CONSTRUCTION**



**CALIFORNIA HIGH-SPEED TRAIN PROJECT
FRESNO TO BAKERSFIELD**
ALLENSWORTH BYPASS SUBSECTION
ALIGNMENT A1
STA. 4648+00 TO 4704+00
PLAN AND PROFILE

CONTRACT NO.
HSR 06-0003
DRAWING NO.
CB1761
SCALE
AS SHOWN
SHEET NO.
15 OF 21

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REV	DATE	BY	CHK	APP	DESCRIPTION

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DRAWN BY
E. TANAKA
CHECKED BY
G. WALKER
IN CHARGE
R. COFFIN
DATE
12/31/13

RECORD SET 15%
DESIGN SUBMISSION

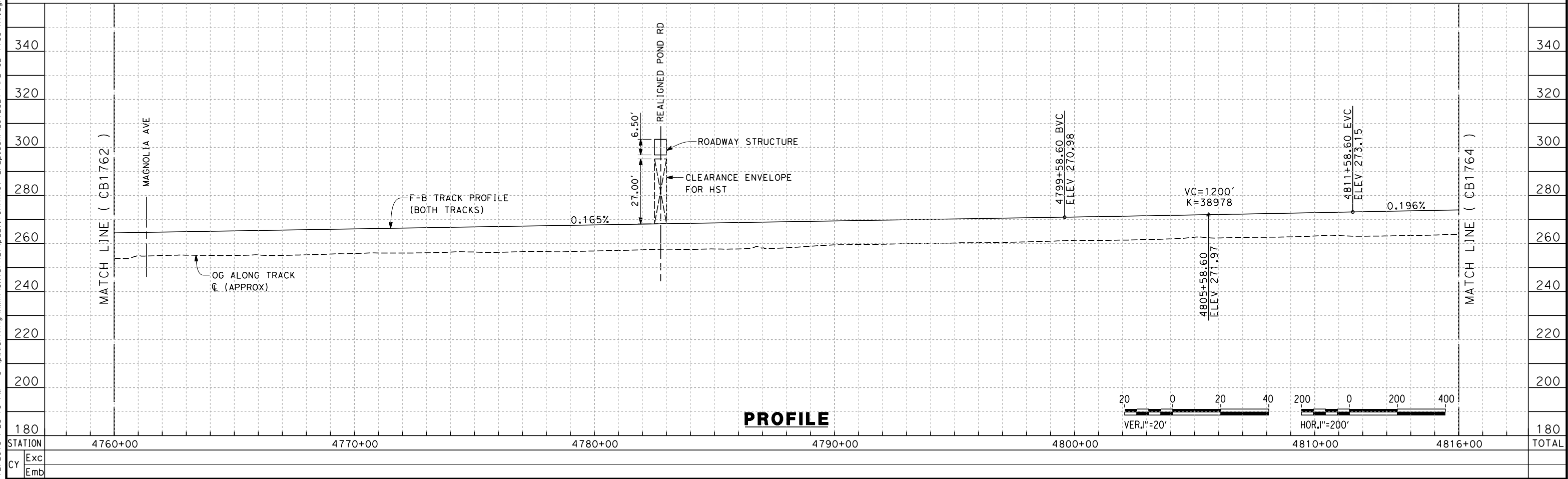
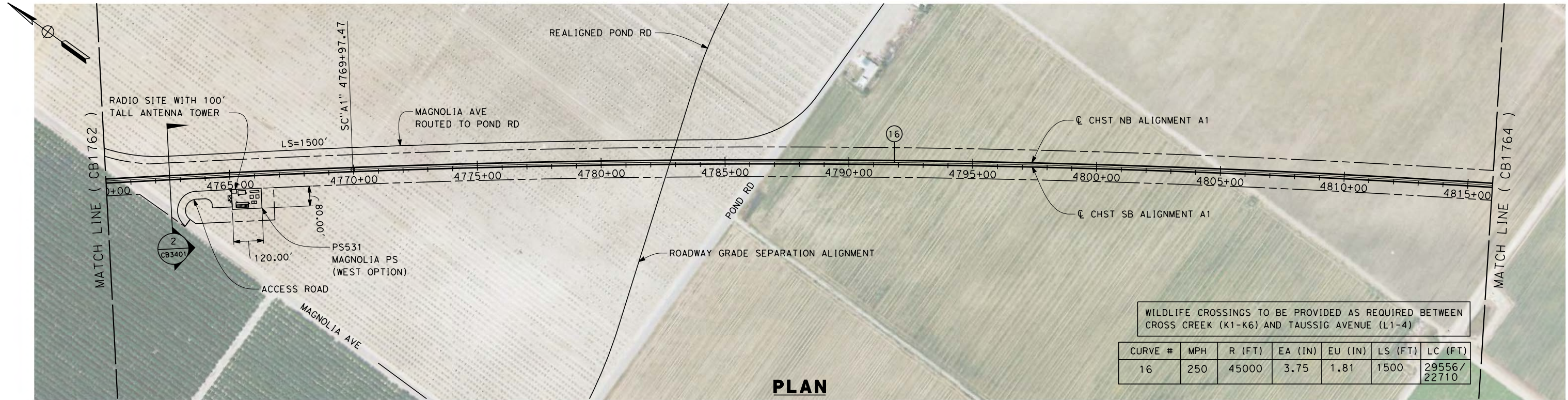
NOT FOR
CONSTRUCTION



**CALIFORNIA HIGH-SPEED TRAIN PROJECT
FRESNO TO BAKERSFIELD**
ALLENSWORTH BYPASS SUBSECTION
ALIGNMENT A1
STA. 4704+00 TO 4760+00
PLAN AND PROFILE

CONTRACT NO.
HSR 06-0003
DRAWING NO.
CB1762
SCALE
AS SHOWN
SHEET NO.
16 OF 21

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REV	DATE	BY	CHK	APP	DESCRIPTION

DESIGNED BY
S. LITSAS
DRAWN BY
E. TANAKA
CHECKED BY
G. WALKER
IN CHARGE
R. COFFIN
DATE
12/31/13

RECORD SET 15%
DESIGN SUBMISSION
NOT FOR
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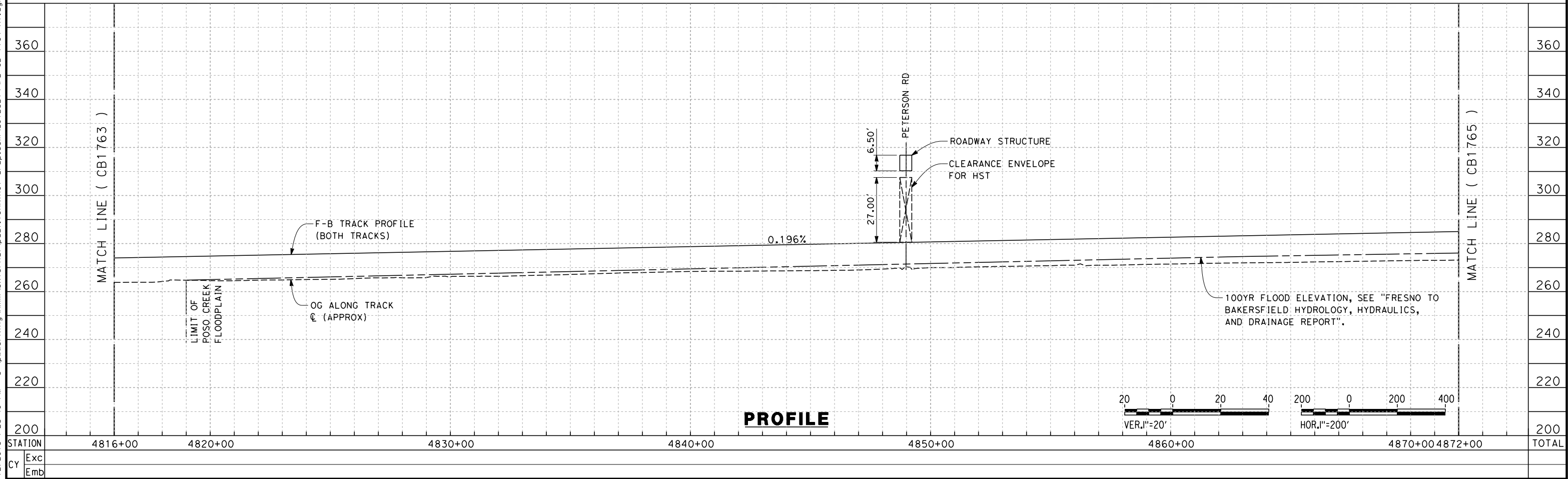
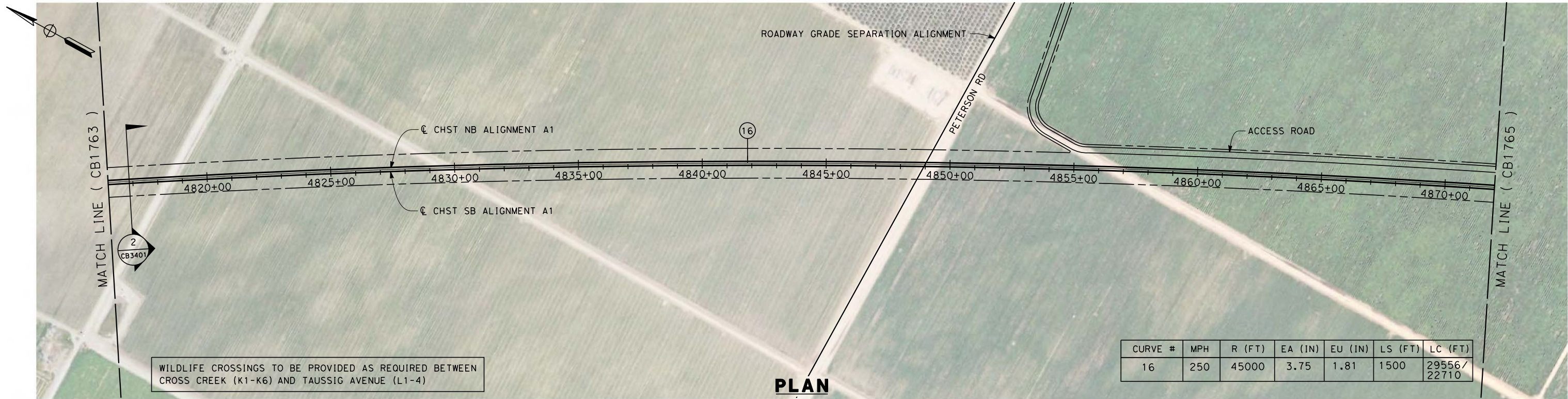


CALIFORNIA
HIGH-SPEED RAIL AUTHORITY

CALIFORNIA HIGH-SPEED TRAIN PROJECT
FRESNO TO BAKERSFIELD
ALLENSWORTH BYPASS SUBSECTION
ALIGNMENT A1
STA. 4760+00 TO 4816+00
PLAN AND PROFILE

CONTRACT NO.
HSR 06-0003
DRAWING NO.
CB1763
SCALE
AS SHOWN
SHEET NO.
17 OF 21

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REV	DATE	BY	CHK	APP	DESCRIPTION

DESIGNED BY
S. LITSAS
DRAWN BY
E. TANAKA
CHECKED BY
G. WALKER
IN CHARGE
R. COFFIN
DATE
12/31/13

**RECORD SET 15%
DESIGN SUBMISSION**

**NOT FOR
CONSTRUCTION**

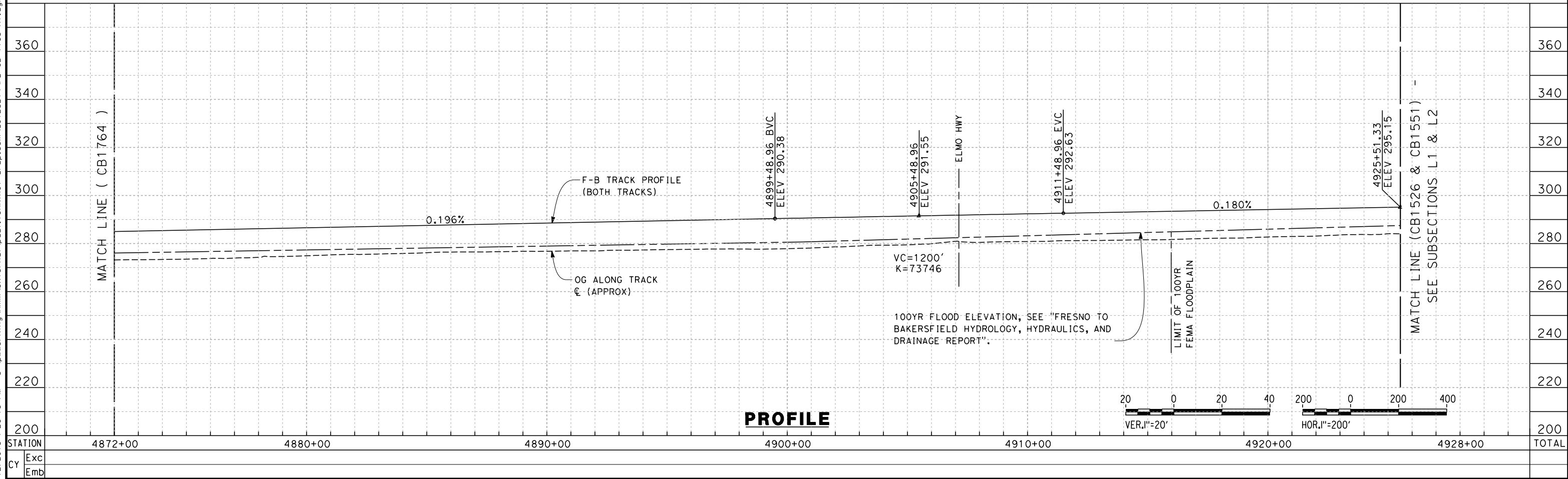
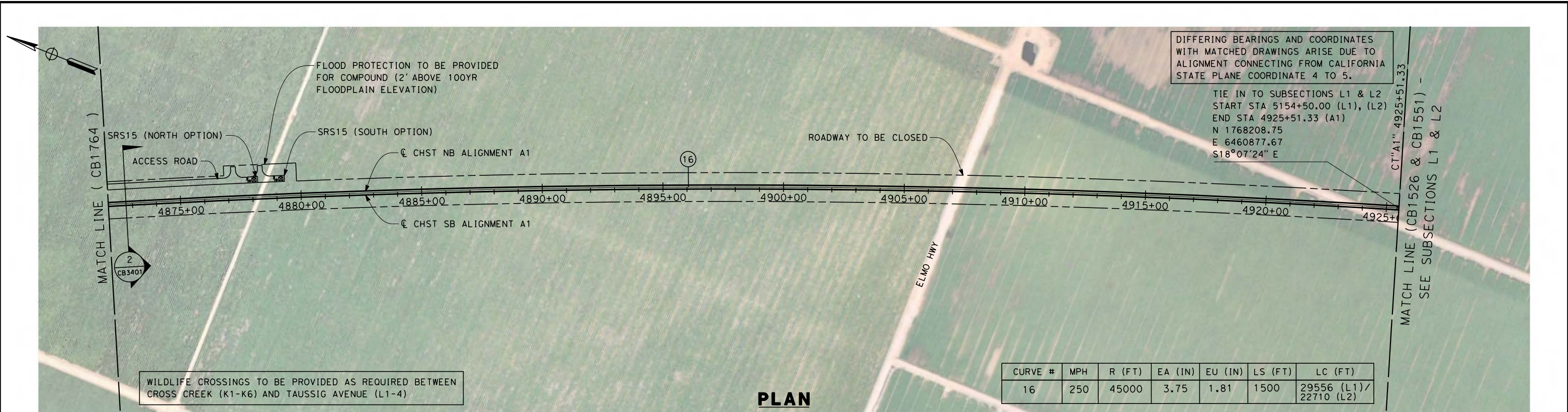


**CALIFORNIA HIGH-SPEED TRAIN PROJECT
FRESNO TO BAKERSFIELD**

ALLENSWORTH BYPASS SUBSECTION
ALIGNMENT A1
STA. 4816+00 TO 4872+00
PLAN AND PROFILE

CONTRACT NO.
HSR 06-0003
DRAWING NO.
CB1764
SCALE
AS SHOWN
SHEET NO.
18 OF 21

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REV	DATE	BY	CHK	APP	DESCRIPTION

DESIGNED BY S. LITSAS
DRAWN BY E. TANAKA
CHECKED BY G. WALKER
IN CHARGE R. COFFIN
DATE 12/31/13

RECORD SET 15% DESIGN SUBMISSION
NOT FOR CONSTRUCTION

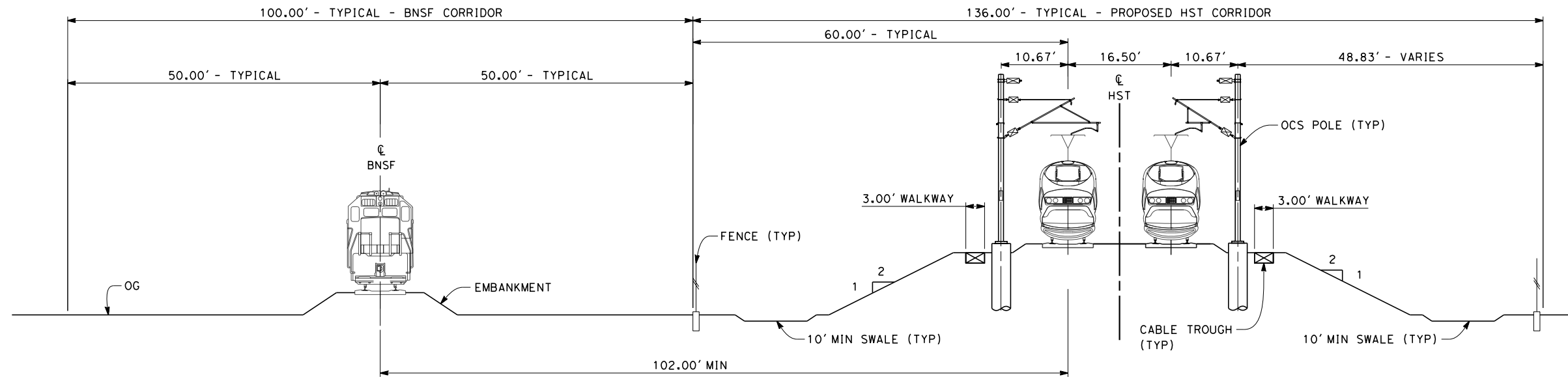


CALIFORNIA HIGH-SPEED TRAIN PROJECT FRESNO TO BAKERSFIELD ALLENSWORTH BYPASS SUBSECTION ALIGNMENT A1 STA. 4872+00 TO 4925+51 PLAN AND PROFILE
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CONTRACT NO. HSR 06-0003
DRAWING NO. CB1765
SCALE AS SHOWN
SHEET NO. 19 OF 21

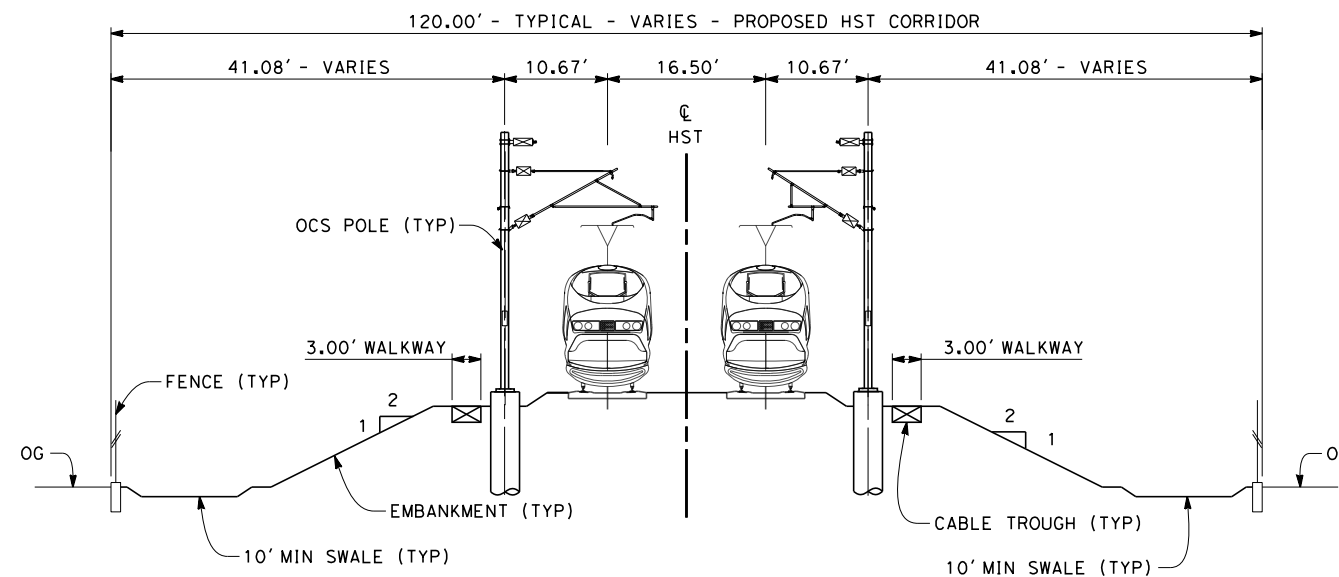
NOTES:

1. TRACKFORM SHOWN IS INDICATIVE
2. FOR STRUCTURE DIMENSIONS SEE STRUCTURAL CROSS SECTIONS
3. SUPERELEVATION IS NOT SHOWN. THE AMOUNT OF APPLIED SUPERELEVATION IS SHOWN IN THE CURVE DATA TABLES.



SECTION 1

TWIN TRACK - ADJACENT TO SINGLE TRACK BNSF
STA 3919+50 THROUGH STA 3967+75



SECTION 2

TWIN TRACK - AT-GRADE WITH OPEN DRAINAGE
STA 3967+75 THROUGH STA 3982+20
STA 4085+95 THROUGH STA 4925+51.33



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REV	DATE	BY	CHK	APP	DESCRIPTION

DESIGNED BY	S. LITSAS
DRAWN BY	E. TANAKA
CHECKED BY	G. WALKER
IN CHARGE	R. COFFIN
DATE	12/31/13

**RECORD SET 15%
DESIGN SUBMISSION**

**NOT FOR
CONSTRUCTION**



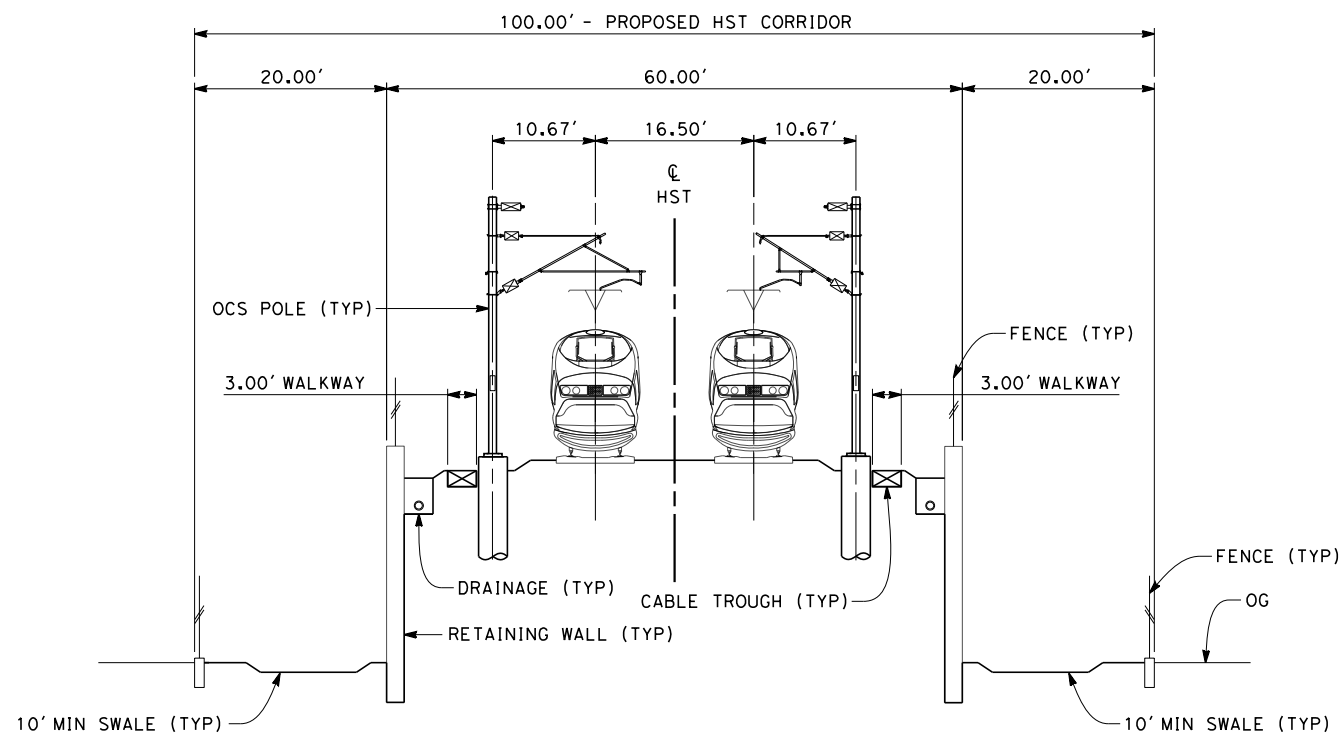
**CALIFORNIA HIGH-SPEED TRAIN PROJECT
FRESNO TO BAKERSFIELD**

ALLENSWORTH BYPASS SUBSECTION
ALIGNMENT A1
TYPICAL SECTIONS

CONTRACT NO.	HSR 06-0003
DRAWING NO.	CB3401
SCALE	AS SHOWN
SHEET NO.	20 OF 21

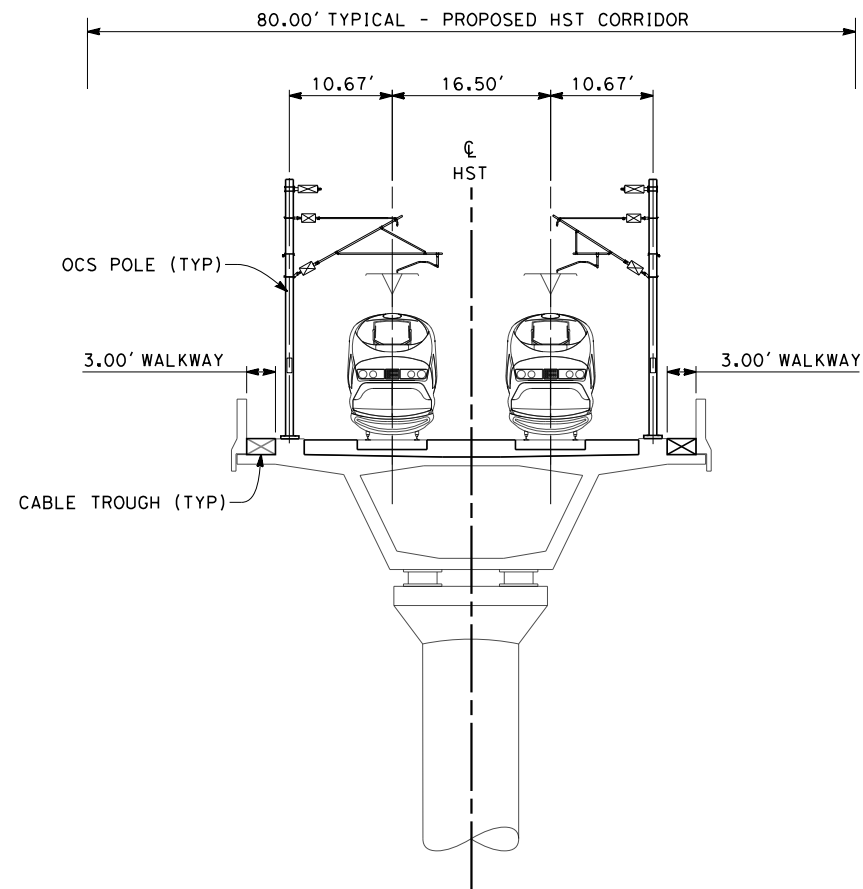
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- NOTES:
1. TRACKFORM SHOWN IS INDICATIVE
 2. FOR STRUCTURE DIMENSIONS SEE STRUCTURAL CROSS SECTIONS
 3. SUPERELEVATION IS NOT SHOWN. THE AMOUNT OF APPLIED SUPERELEVATION IS SHOWN IN THE CURVE DATA TABLES.



SECTION 3

TWIN TRACK - RETAINED EMBANKMENT
STA 3982+20 THROUGH STA 4005+25
STA 4067+65 THROUGH STA 4085+95



SECTION 4

TWIN TRACK - AERIAL VIADUCT
STA 4005+25 THROUGH STA 4067+65



REV	DATE	BY	CHK	APP	DESCRIPTION

DESIGNED BY S. LITSAS
DRAWN BY E. TANAKA
CHECKED BY G. WALKER
IN CHARGE R. COFFIN
DATE 12/31/13

**RECORD SET 15%
DESIGN SUBMISSION**

**NOT FOR
CONSTRUCTION**



CALIFORNIA
HIGH-SPEED RAIL AUTHORITY

**CALIFORNIA HIGH-SPEED TRAIN PROJECT
FRESNO TO BAKERSFIELD**
ALLENSWORTH BYPASS SUBSECTION
ALIGNMENT A1
TYPICAL SECTIONS

CONTRACT NO. HSR 06-0003
DRAWING NO. CB3402
SCALE AS SHOWN
SHEET NO. 21 OF 21

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LEGEND

EXISTING FREIGHT RAILROAD

PROPOSED CHST

30000

0

3000

6000

1"=3000'

REV	DATE	BY	CHK	APP	DESCRIPTION

DESIGNED BY S. LITSAS
DRAWN BY E. TANAKA
CHECKED BY G. MEJIA
IN CHARGE R. COFFIN
DATE 12/31/13

RECORD SET 15%
DESIGN SUBMISSION

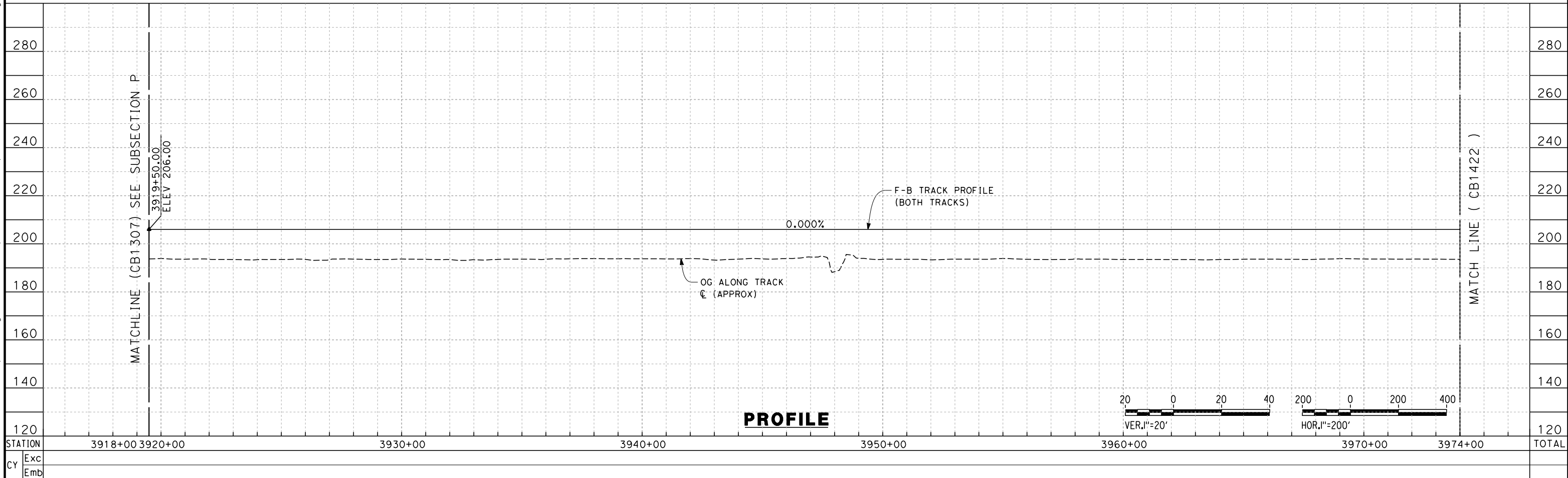
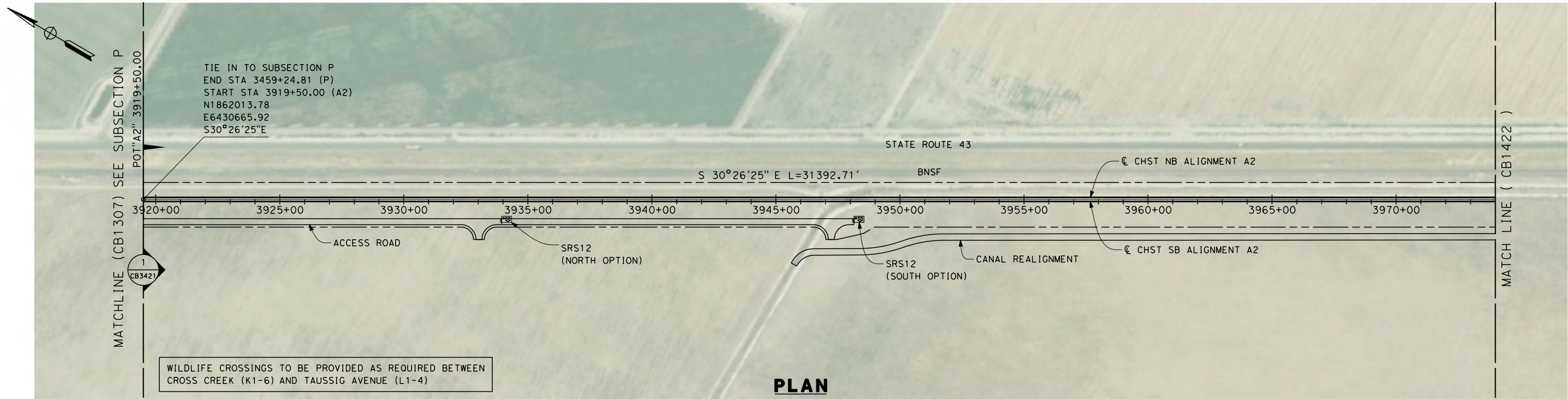
NOT FOR
CONSTRUCTION



CALIFORNIA HIGH-SPEED TRAIN PROJECT
FRESNO TO BAKERSFIELD
THROUGH ALLENSWORTH SUBSECTION
ALIGNMENT A2
STA. 3919+50 TO 4924+27
KEY MAP

CONTRACT NO. HSR 06-0003
DRAWING NO. CB1420
SCALE AS SHOWN
SHEET NO. 1 OF 22

12/12/2013 1:41:15 PM c:\pwworking\hmm\external\paul.tonkin\01-arup.com\d0123215\FB-CB-1421-A2.dgn paul.tonkin



REV	DATE	BY	CHK	APP	DESCRIPTION

DESIGNED BY
S. LITSAS
DRAWN BY
E. TANAKA
CHECKED BY
G. MEJIA
IN CHARGE
R. COFFIN
DATE
12/31/13

**RECORD SET 15%
DESIGN SUBMISSION**

**NOT FOR
CONSTRUCTION**

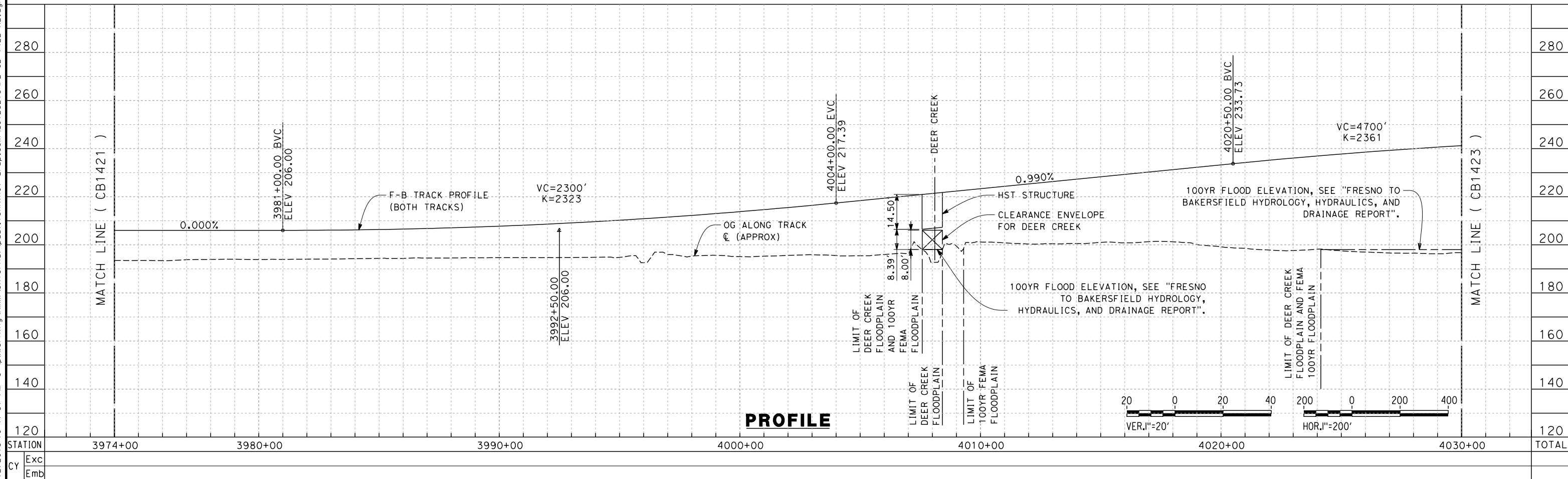
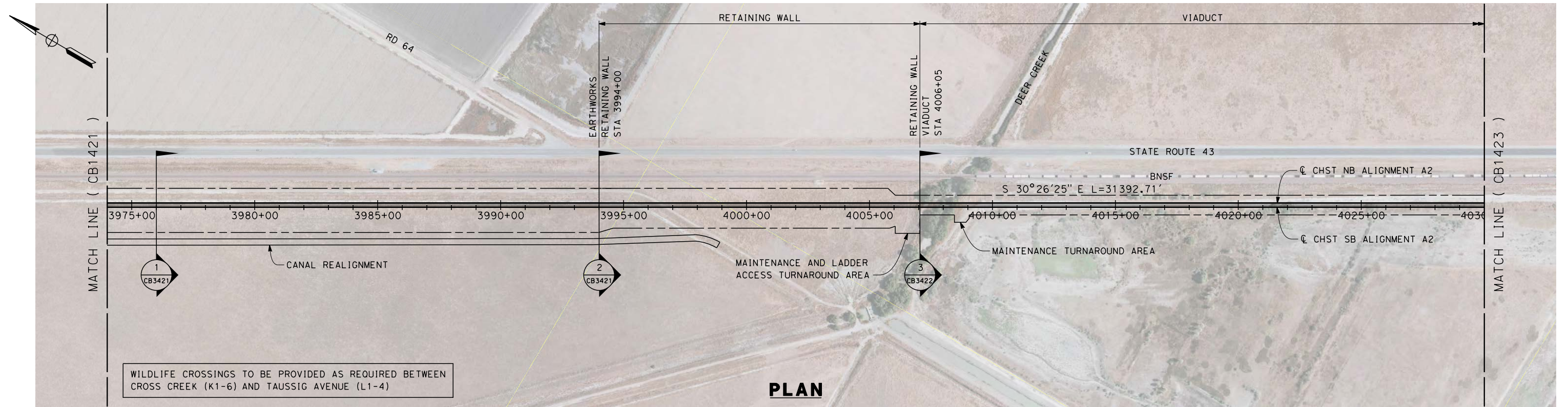


**CALIFORNIA HIGH-SPEED TRAIN PROJECT
FRESNO TO BAKERSFIELD**

THROUGH ALLENSWORTH SUBSECTION
ALIGNMENT A2
STA. 3919+50 TO 3974+00
PLAN AND PROFILE

CONTRACT NO.
HSR 06-0003
DRAWING NO.
CB1421
SCALE
AS SHOWN
SHEET NO.
2 OF 22

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REV	DATE	BY	CHK	APP	DESCRIPTION

DESIGNED BY
S. LITSAS
DRAWN BY
E. TANAKA
CHECKED BY
G. MEJIA
IN CHARGE
R. COFFIN
DATE
12/31/13

**RECORD SET 15%
DESIGN SUBMISSION**

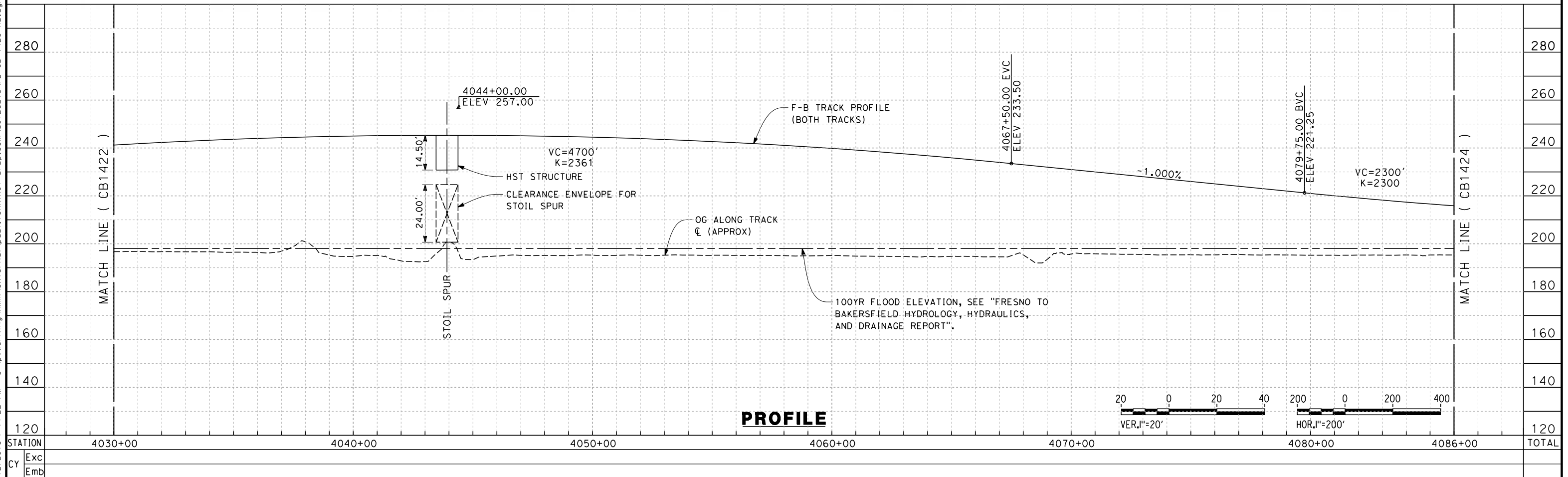
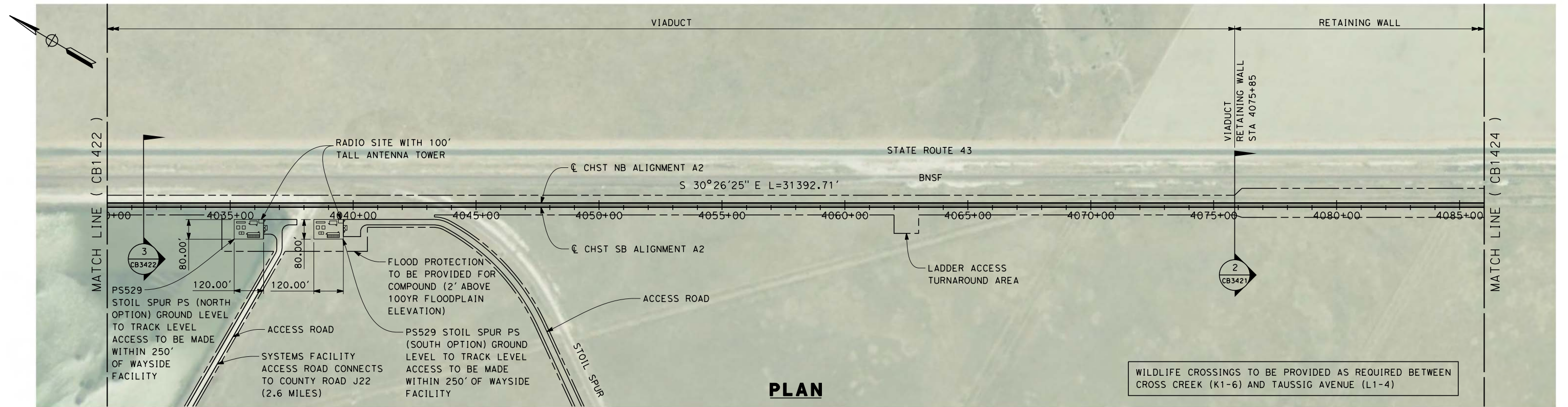
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CONSTRUCTION**



**CALIFORNIA HIGH-SPEED TRAIN PROJECT
FRESNO TO BAKERSFIELD**
THROUGH ALLENSWORTH SUBSECTION
ALIGNMENT A2
STA. 3974+00 TO 4030+00
PLAN AND PROFILE

CONTRACT NO.
HSR 06-0003
DRAWING NO.
CB1422
SCALE
AS SHOWN
SHEET NO.
3 OF 22

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REV	DATE	BY	CHK	APP	DESCRIPTION

DESIGNED BY
S. LITSAS

DRAWN BY
E. TANAKA

CHECKED BY
G. MEJIA

IN CHARGE
R. COFFIN

DATE
12/31/13

**RECORD SET 15%
DESIGN SUBMISSION**

**NOT FOR
CONSTRUCTION**



**CALIFORNIA HIGH-SPEED TRAIN PROJECT
FRESNO TO BAKERSFIELD**

THROUGH ALLENSWORTH SUBSECTION
ALIGNMENT A2
STA. 4030+00 TO 4086+00
PLAN AND PROFILE

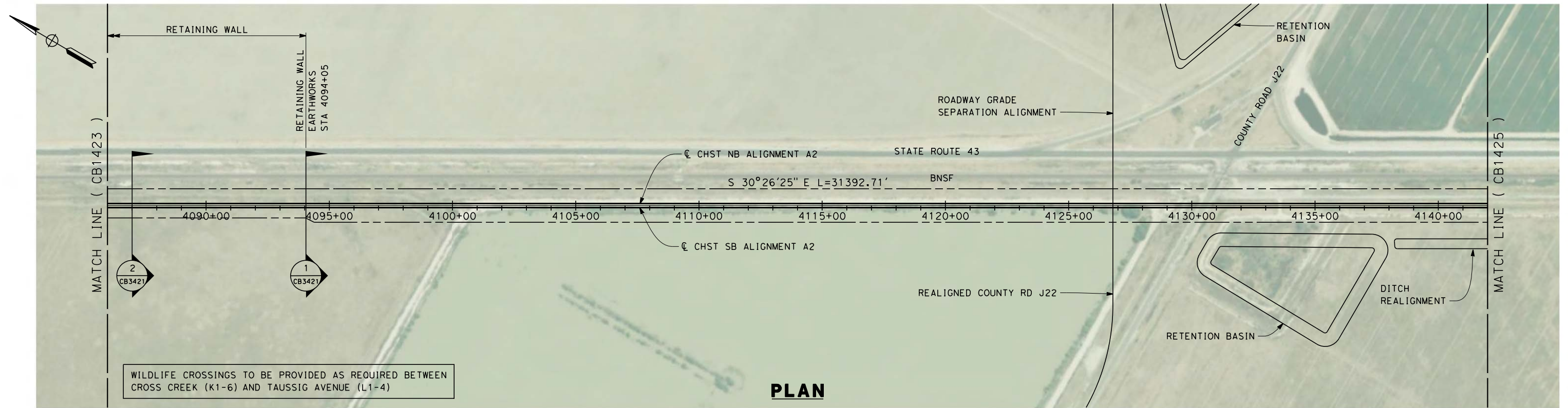
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HSR 06-0003

DRAWING NO.
CB1423

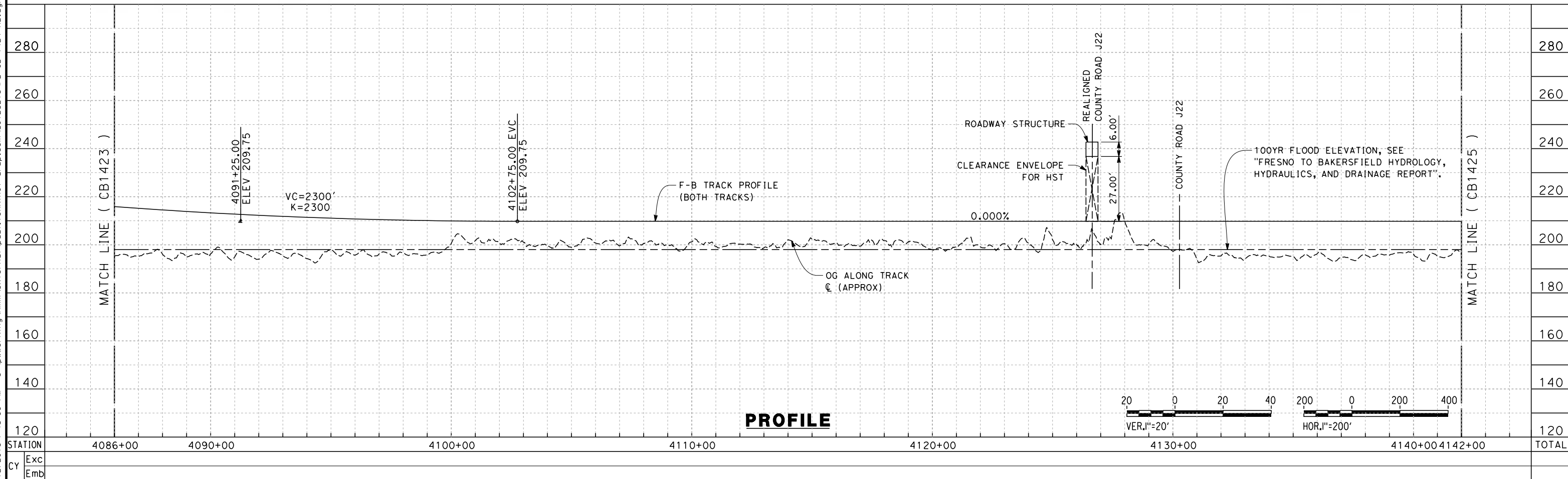
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AS SHOWN

SHEET NO.
4 OF 22

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PLAN



PROFILE

REV	DATE	BY	CHK	APP	DESCRIPTION

DESIGNED BY S. LITSAS
DRAWN BY E. TANAKA
CHECKED BY G. MEJIA
IN CHARGE R. COFFIN
DATE 12/31/13

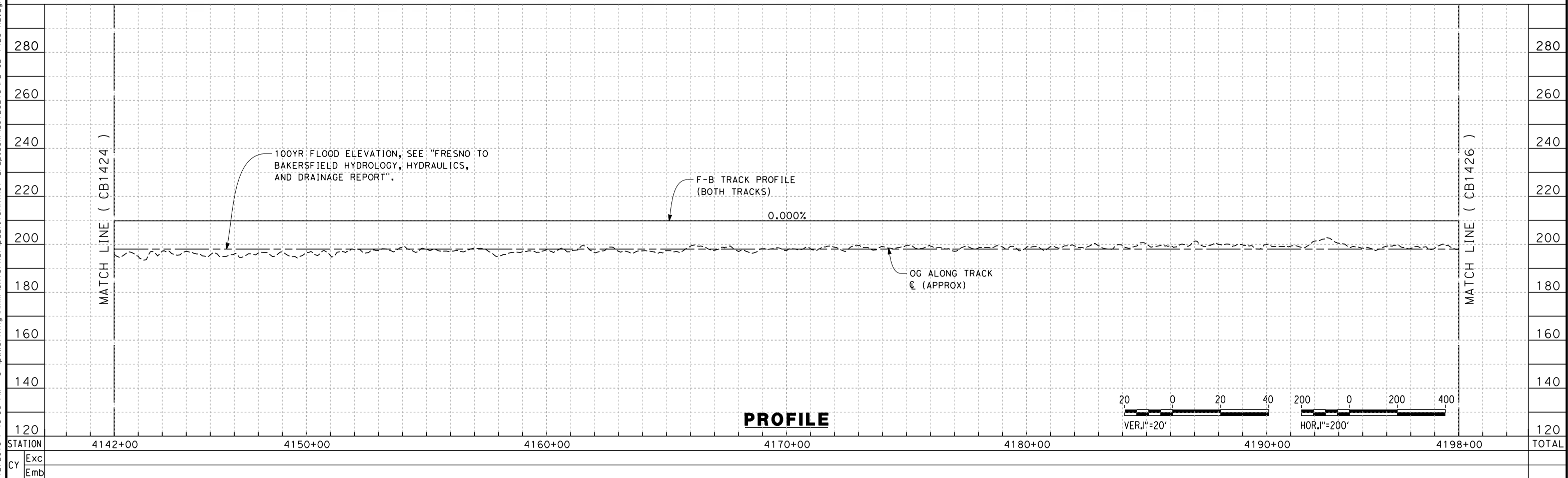
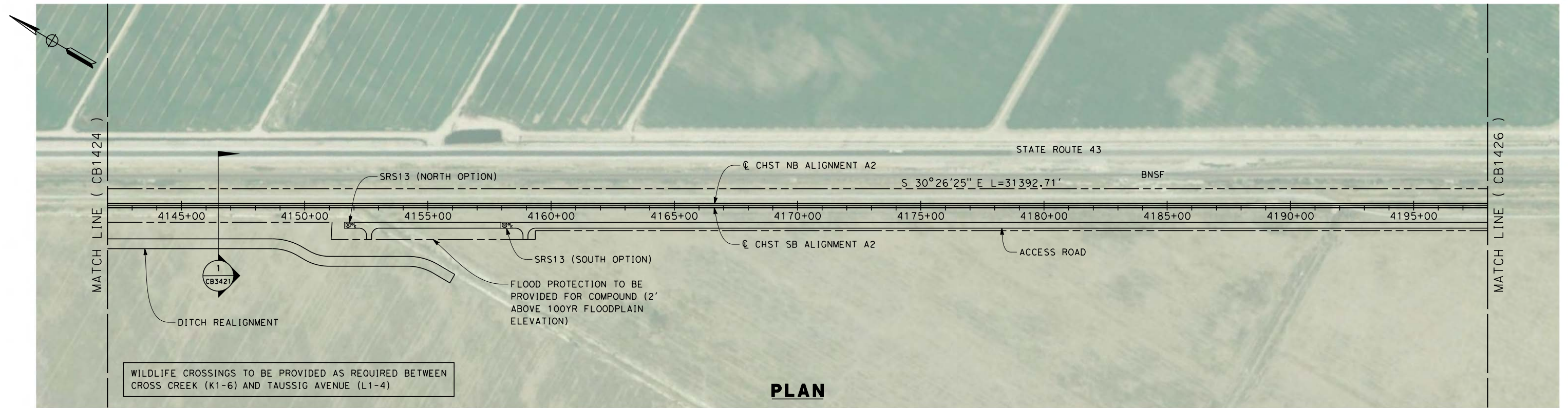
RECORD SET 15% DESIGN SUBMISSION
NOT FOR CONSTRUCTION





CALIFORNIA HIGH-SPEED TRAIN PROJECT FRESNO TO BAKERSFIELD THROUGH ALLENSWORTH SUBSECTION ALIGNMENT A2 STA. 4086+00 TO 4142+00 PLAN AND PROFILE

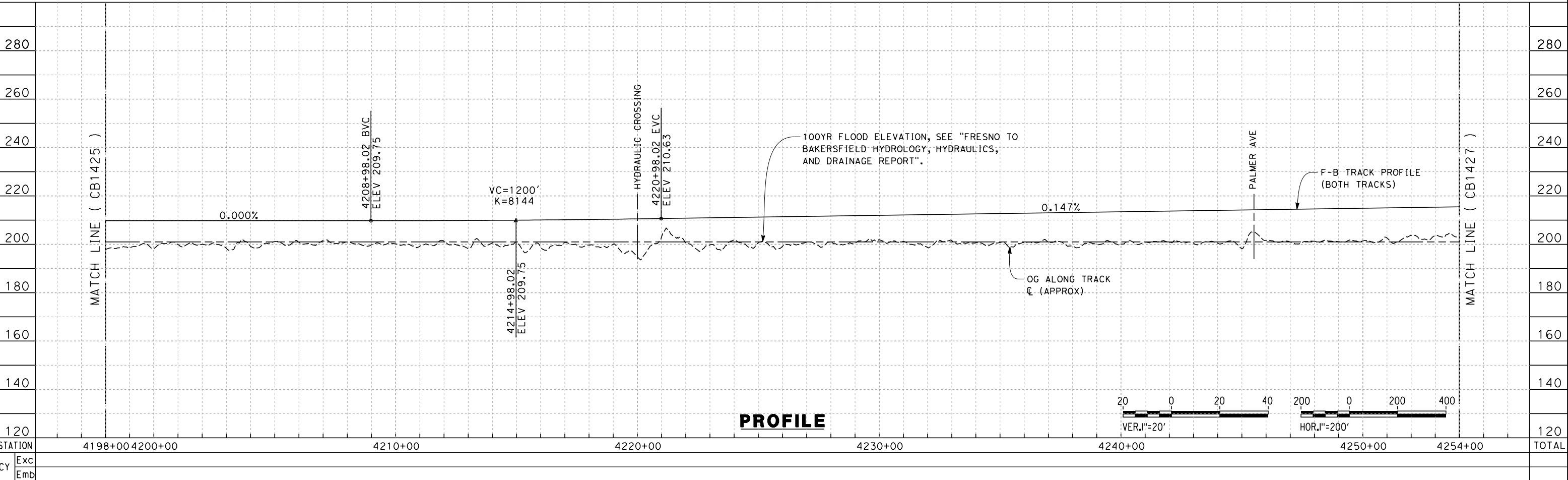
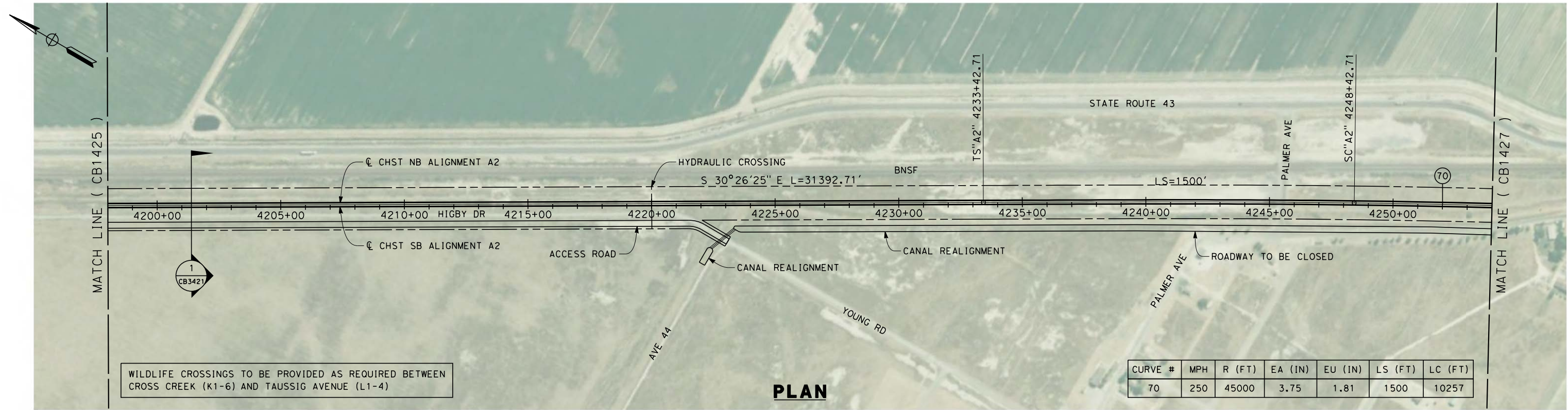
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DRAWING NO. CB1424
SCALE AS SHOWN
SHEET NO. 5 OF 22

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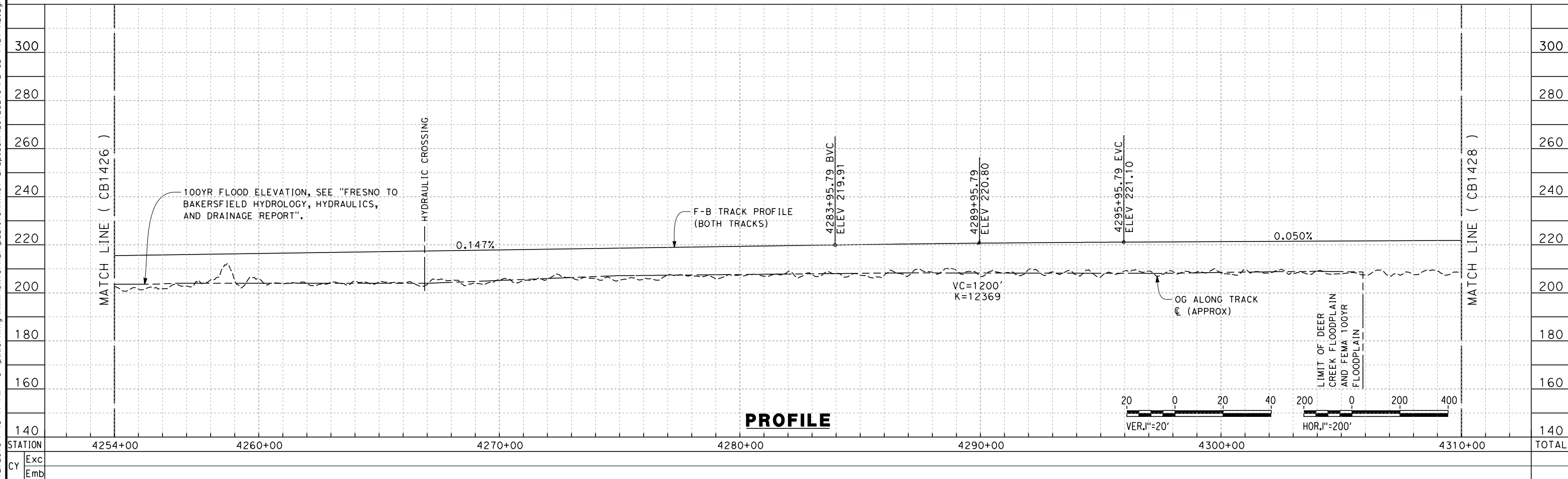
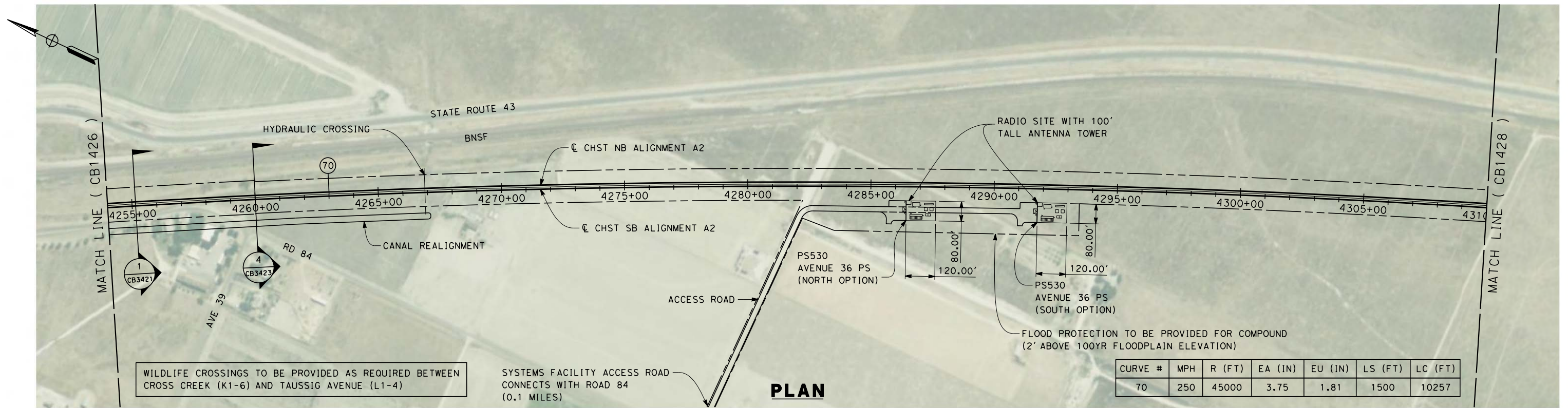
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						DRAWN BY E. TANAKA					DRAWING NO. CB1425
						CHECKED BY G. MEJIA					SCALE AS SHOWN
						IN CHARGE R. COFFIN					SHEET NO. 6 OF 22
						DATE 12/31/13					
REV	DATE	BY	CHK	APP	DESCRIPTION						

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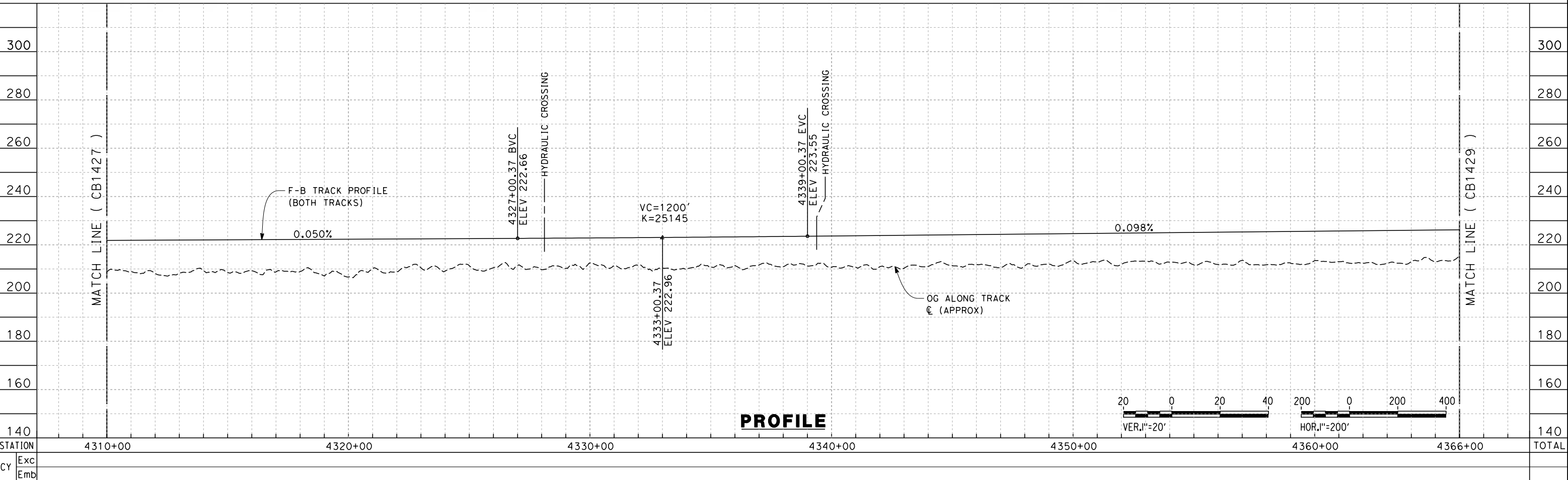
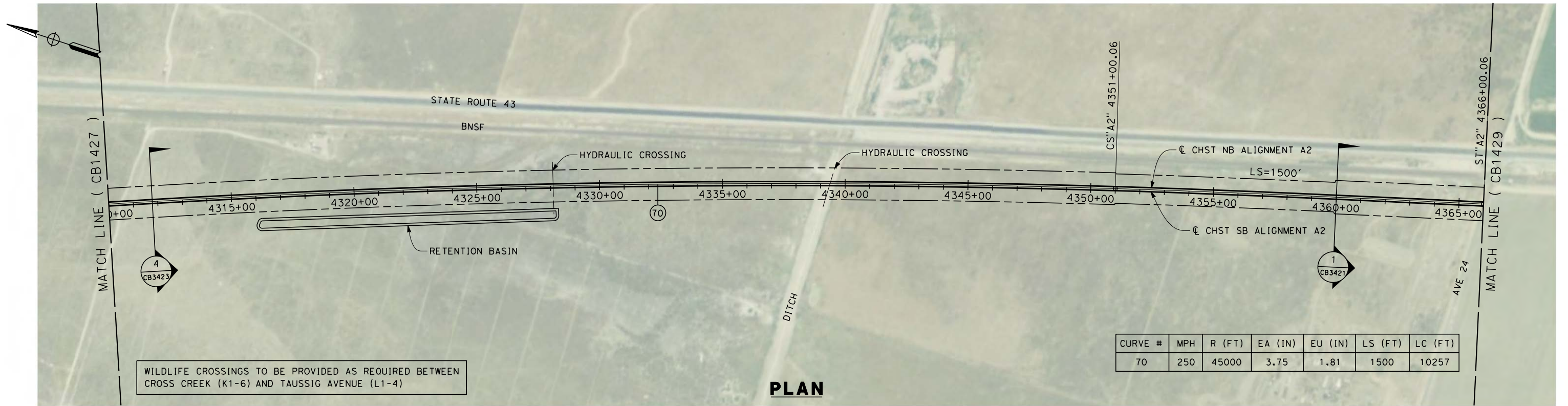
<div>DESIGNED BY S. LITSAS</div> <div>DRAWN BY E. TANAKA</div> <div>CHECKED BY G. MEJIA</div> <div>IN CHARGE R. COFFIN</div> <div>DATE 12/31/13</div>					<div>RECORD SET 15% DESIGN SUBMISSION</div> <div>NOT FOR CONSTRUCTION</div>		<div>URS HMM ARUP</div> <div>CALIFORNIA HIGH-SPEED TRAIN</div>		<div>CALIFORNIA HIGH-SPEED RAIL AUTHORITY</div>		<div>CALIFORNIA HIGH-SPEED TRAIN PROJECT FRESNO TO BAKERSFIELD</div> <div>THROUGH ALLENSWORTH SUBSECTION ALIGNMENT A2 STA. 4198+00 TO 4254+00 PLAN AND PROFILE</div>			<div>CONTRACT NO. HSR 06-0003</div> <div>DRAWING NO. CB1426</div> <div>SCALE AS SHOWN</div> <div>SHEET NO. 7 OF 22</div>	
REV	DATE	BY	CHK	APP	DESCRIPTION										

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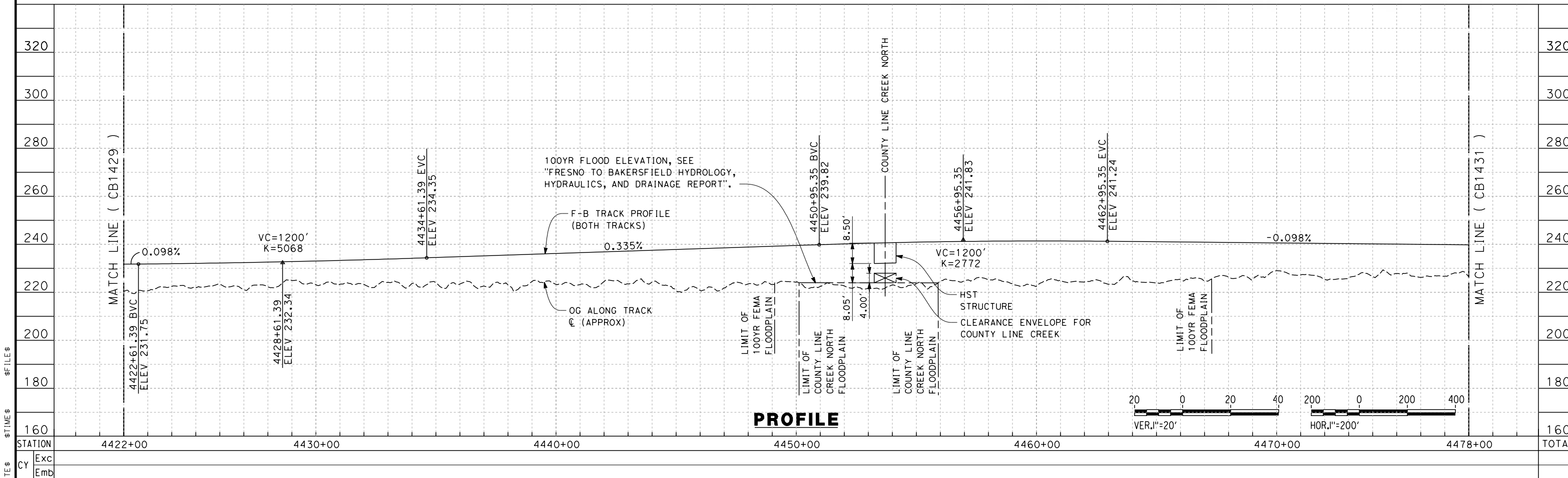
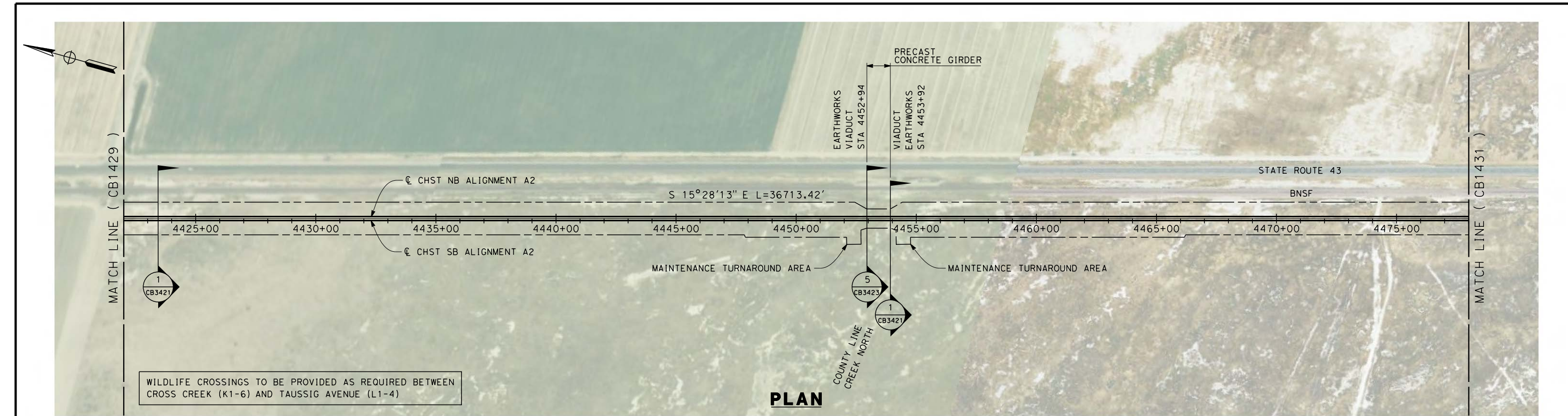




<div>DESIGNED BY S. LITSAS DRAWN BY E. TANAKA CHECKED BY G. MEJIA IN CHARGE R. COFFIN DATE 12/31/13</div>					<div>RECORD SET 15% DESIGN SUBMISSION NOT FOR CONSTRUCTION</div>		<div>URS HMM ARUP CALIFORNIA HIGH-SPEED TRAIN</div>		<div>CALIFORNIA HIGH-SPEED RAIL AUTHORITY</div>		<div>CALIFORNIA HIGH-SPEED TRAIN PROJECT FRESNO TO BAKERSFIELD THROUGH ALLENSWORTH SUBSECTION ALIGNMENT A2 STA. 4254+00 TO 4310+00 PLAN AND PROFILE</div>			<div>CONTRACT NO. HSR 06-0003 DRAWING NO. CB1427 SCALE AS SHOWN SHEET NO. 8 OF 22</div>	
REV	DATE	BY	CHK	APP	DESCRIPTION										

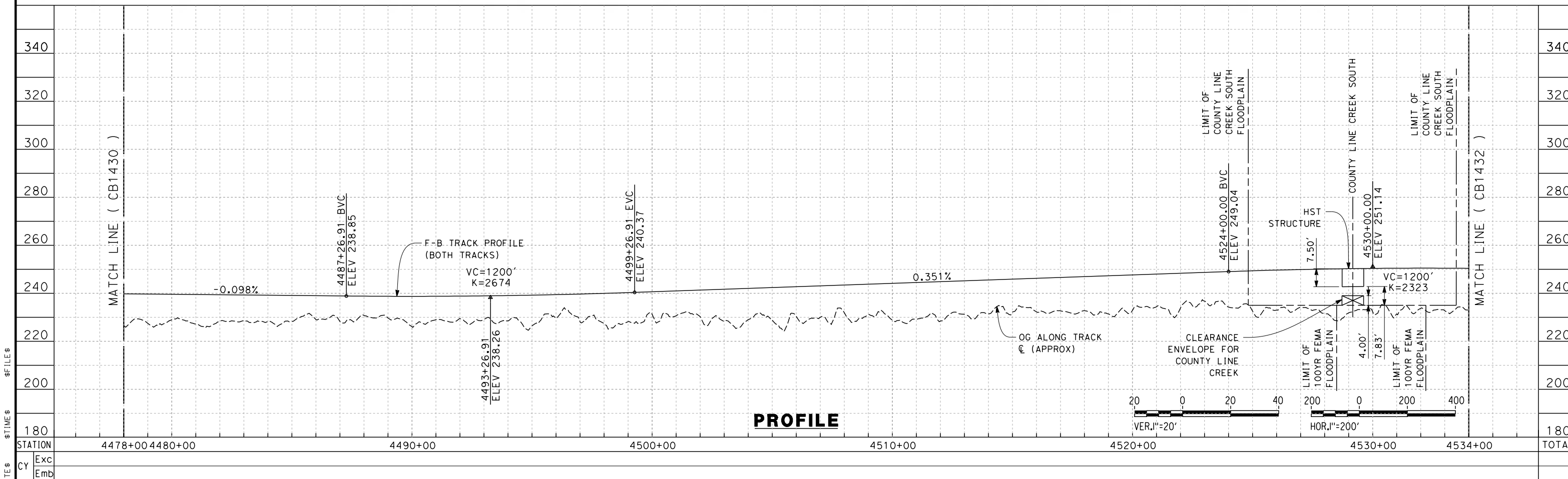
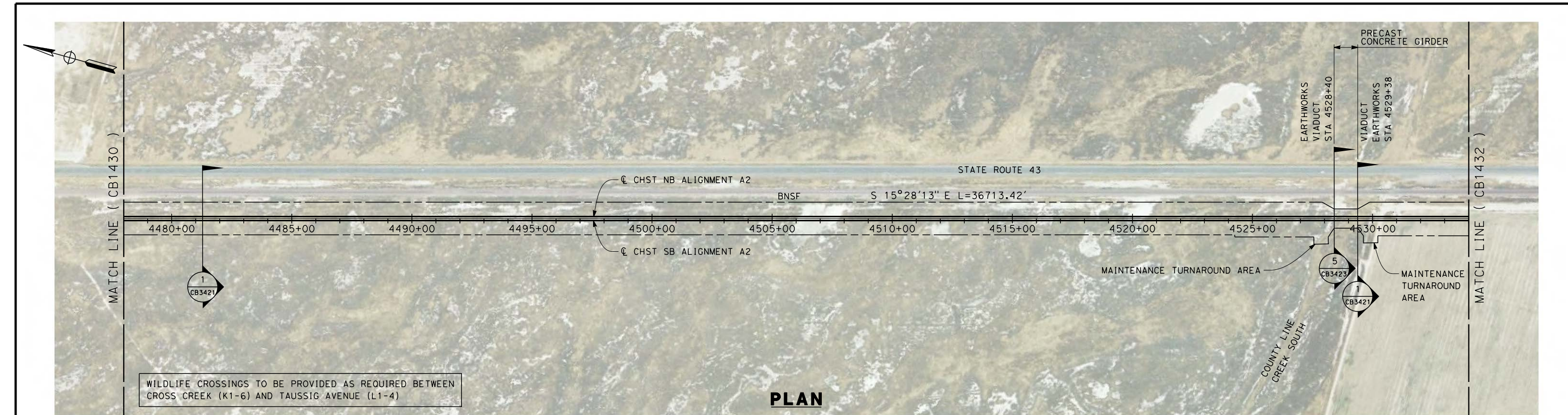
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<div>DESIGNED BY S. LITSAS</div> <div>DRAWN BY E. TANAKA</div> <div>CHECKED BY G. MEJIA</div> <div>IN CHARGE R. COFFIN</div> <div>DATE 12/31/13</div>					<div>RECORD SET 15% DESIGN SUBMISSION</div> <div>NOT FOR CONSTRUCTION</div>		<div>URS HMM ARUP</div> <div>CALIFORNIA HIGH-SPEED TRAIN</div>		<div>CALIFORNIA HIGH-SPEED RAIL AUTHORITY</div>		<div>CALIFORNIA HIGH-SPEED TRAIN PROJECT FRESNO TO BAKERSFIELD</div> <div>THROUGH ALLENSWORTH SUBSECTION ALIGNMENT A2 STA. 4310+00 TO 4366+00 PLAN AND PROFILE</div>			<div>CONTRACT NO. HSR 06-0003</div> <div>DRAWING NO. CB1428</div> <div>SCALE AS SHOWN</div> <div>SHEET NO. 9 OF 22</div>	
REV	DATE	BY	CHK	APP	DESCRIPTION										

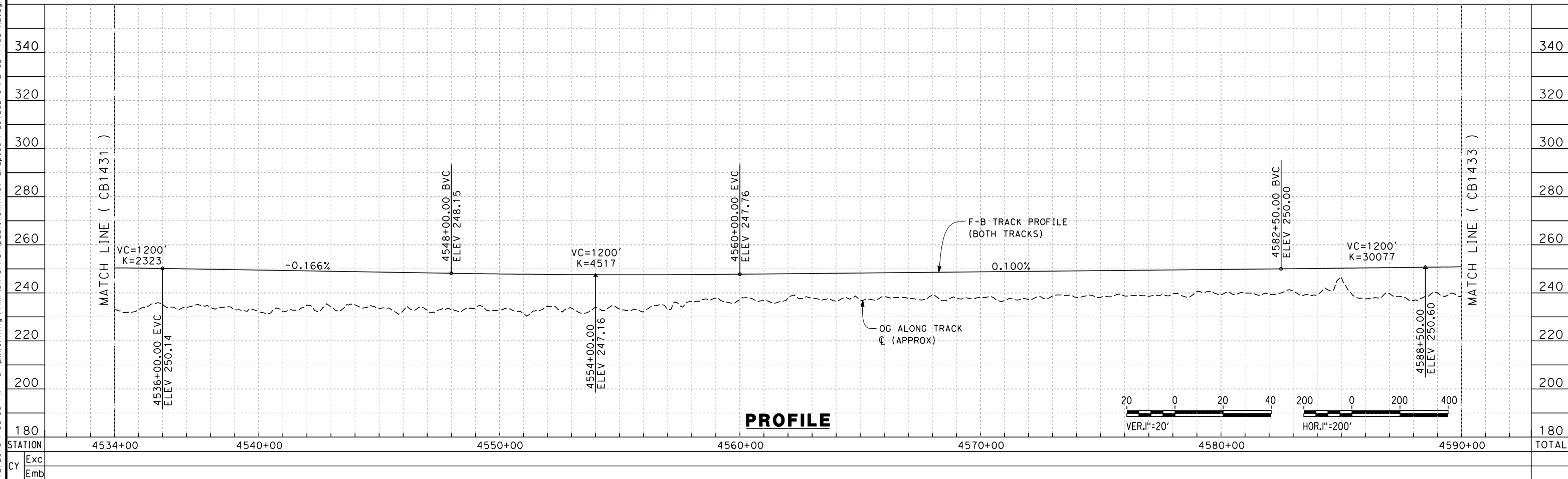
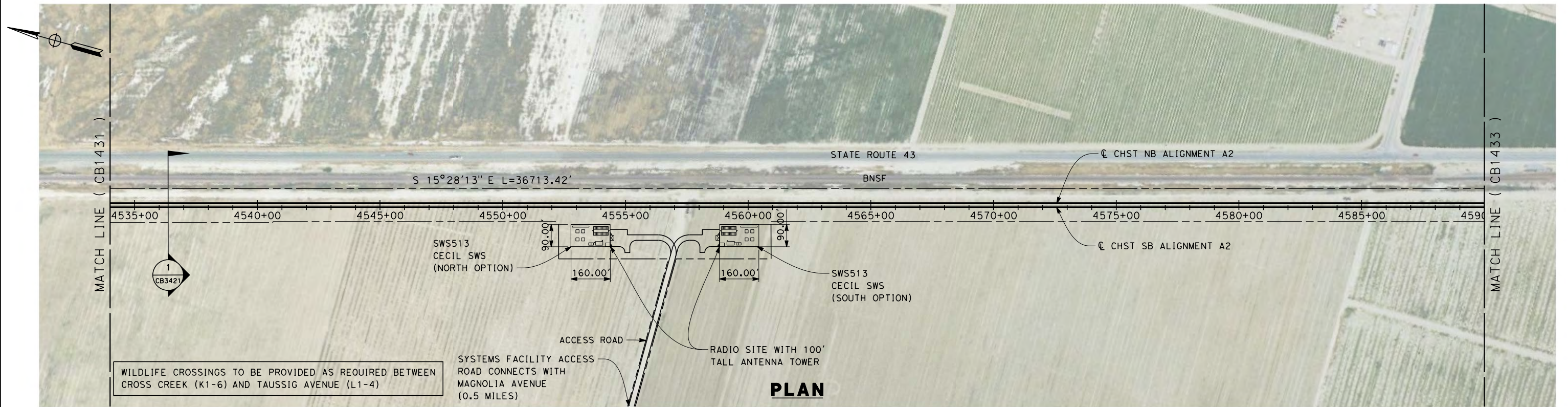


\$USER\$							DESIGNED BY S. LITSAS	RECORD SET 15% DESIGN SUBMISSION NOT FOR CONSTRUCTION			CALIFORNIA HIGH-SPEED TRAIN PROJECT FRESNO TO BAKERSFIELD THROUGH ALLENSWORTH SUBSECTION ALIGNMENT A2 STA. 4422+00 TO 4478+00 PLAN AND PROFILE	CONTRACT NO. HSR 06-0003
							DRAWN BY E. TANAKA					DRAWING NO. CB1430
							CHECKED BY G. MEJIA					SCALE AS SHOWN
							IN CHARGE R. COFFIN					SHEET NO. 11 OF 22
							DATE 12/31/13					
	REV	DATE	BY	CHK	APP	DESCRIPTION						



\$USER\$						DESIGNED BY S. LITSAS	RECORD SET 15% DESIGN SUBMISSION NOT FOR CONSTRUCTION			CALIFORNIA HIGH-SPEED TRAIN PROJECT FRESNO TO BAKERSFIELD THROUGH ALLENSWORTH SUBSECTION ALIGNMENT A2 STA. 4478+00 TO 4534+00 PLAN AND PROFILE	CONTRACT NO. HSR 06-0003
						DRAWN BY E. TANAKA					DRAWING NO. CB1431
						CHECKED BY G. MEJIA					SCALE AS SHOWN
						IN CHARGE R. COFFIN					SHEET NO. 12 OF 22
						DATE 12/31/13					
	REV	DATE	BY	CHK	APP	DESCRIPTION					

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REV	DATE	BY	CHK	APP	DESCRIPTION

DESIGNED BY
S. LITSAS
DRAWN BY
E. TANAKA
CHECKED BY
G. MEJIA
IN CHARGE
R. COFFIN
DATE
12/31/13

RECORD SET 15%
DESIGN SUBMISSION

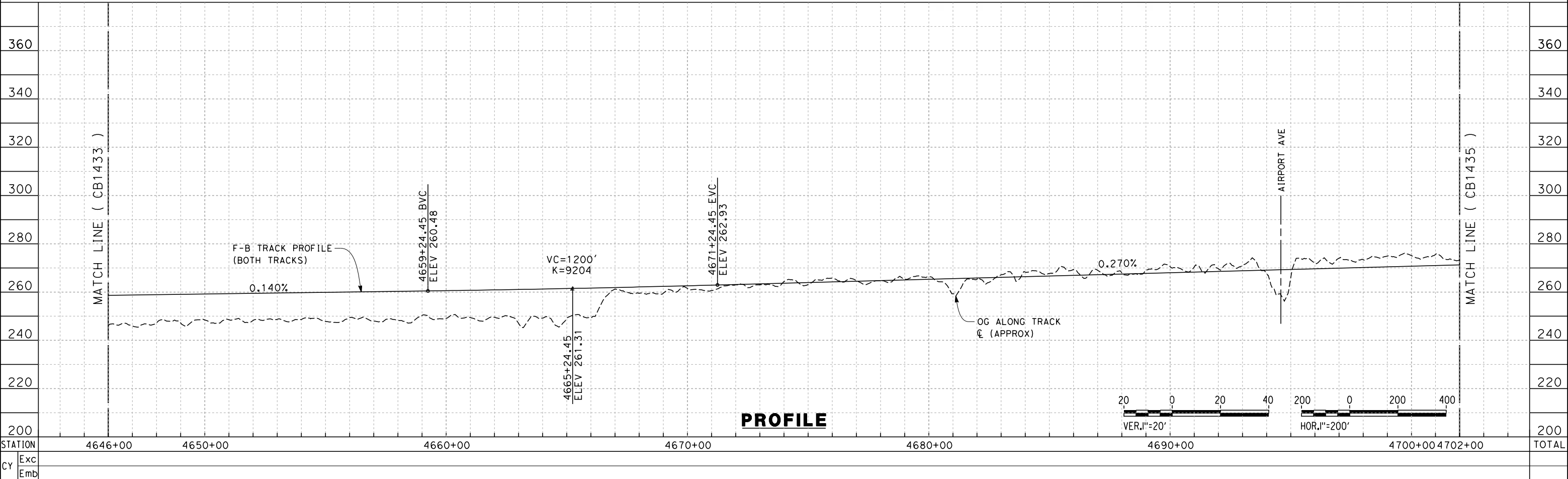
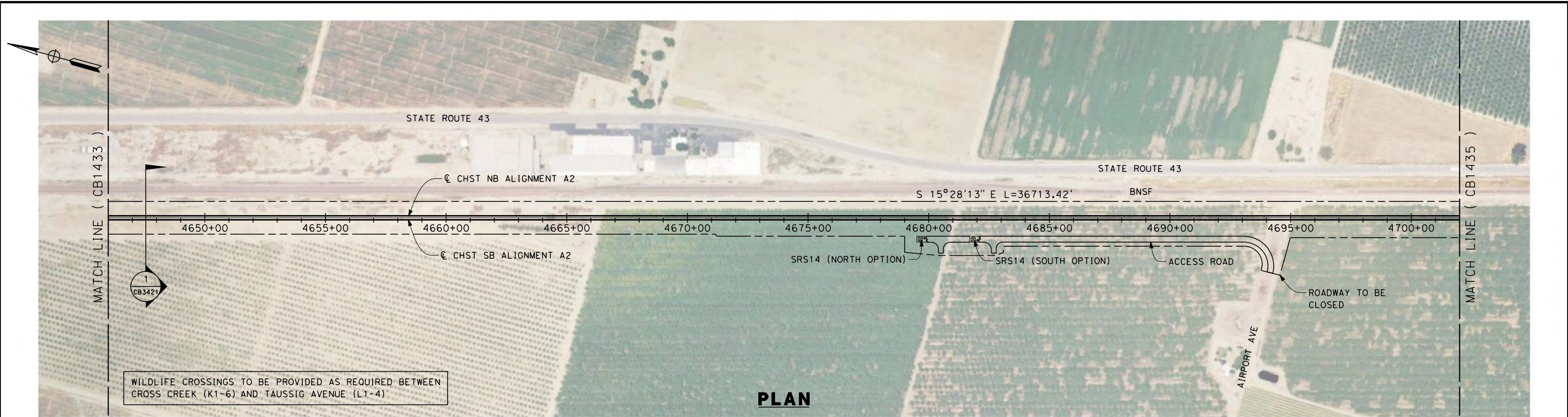
NOT FOR
CONSTRUCTION





**CALIFORNIA HIGH-SPEED TRAIN PROJECT
FRESNO TO BAKERSFIELD**
THROUGH ALLENSWORTH SUBSECTION
ALIGNMENT A2
STA. 4534+00 TO 4590+00
PLAN AND PROFILE

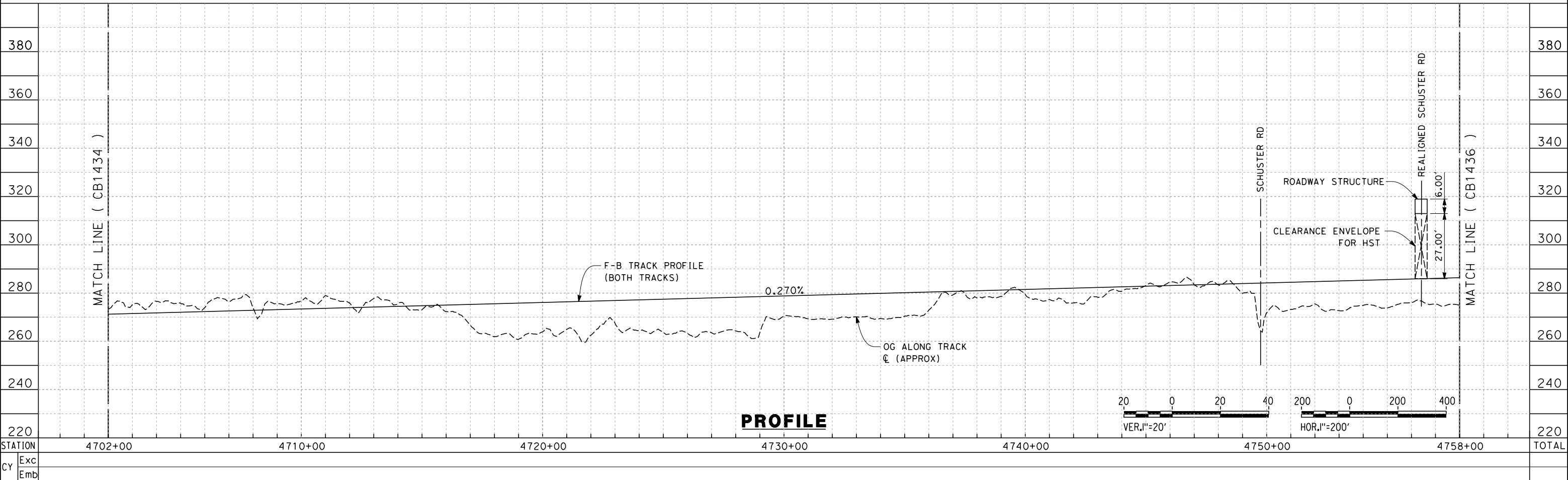
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HSR 06-0003
DRAWING NO.
CB1432
SCALE
AS SHOWN
SHEET NO.
13 OF 22

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						DESIGNED BY S. LITSAS	RECORD SET 15% DESIGN SUBMISSION - NOT FOR CONSTRUCTION	 	CALIFORNIA HIGH-SPEED TRAIN PROJECT FRESNO TO BAKERSFIELD THROUGH ALLENSWORTH SUBSECTION ALIGNMENT A2 STA. 4646+00 TO 4702+00 PLAN AND PROFILE	CONTRACT NO. HSR 06-0003	
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						CHECKED BY G. MEJIA				SCALE AS SHOWN	
						IN CHARGE R. COFFIN				SHEET NO. 15 OF 22	
REV	DATE	BY	CHK	APP	DESCRIPTION	DATE 12/31/13					

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REV	DATE	BY	CHK	APP	DESCRIPTION

DESIGNED BY
S. LITSAS
DRAWN BY
E. TANAKA
CHECKED BY
G. MEJIA
IN CHARGE
R. COFFIN
DATE
12/31/13

**RECORD SET 15%
DESIGN SUBMISSION**

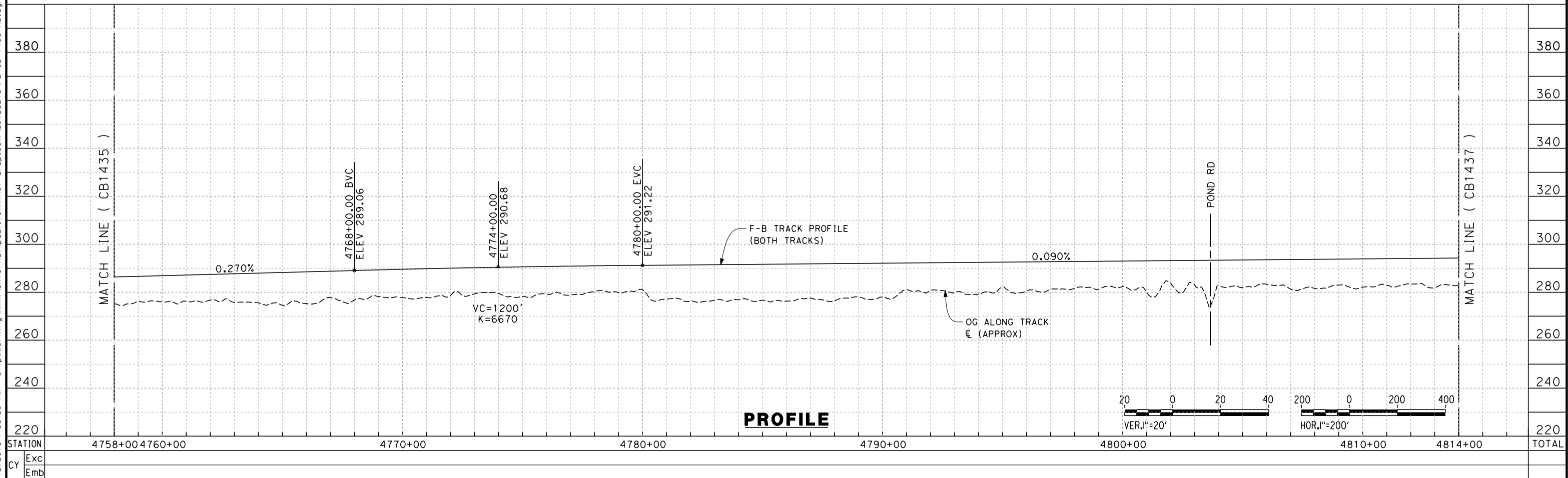
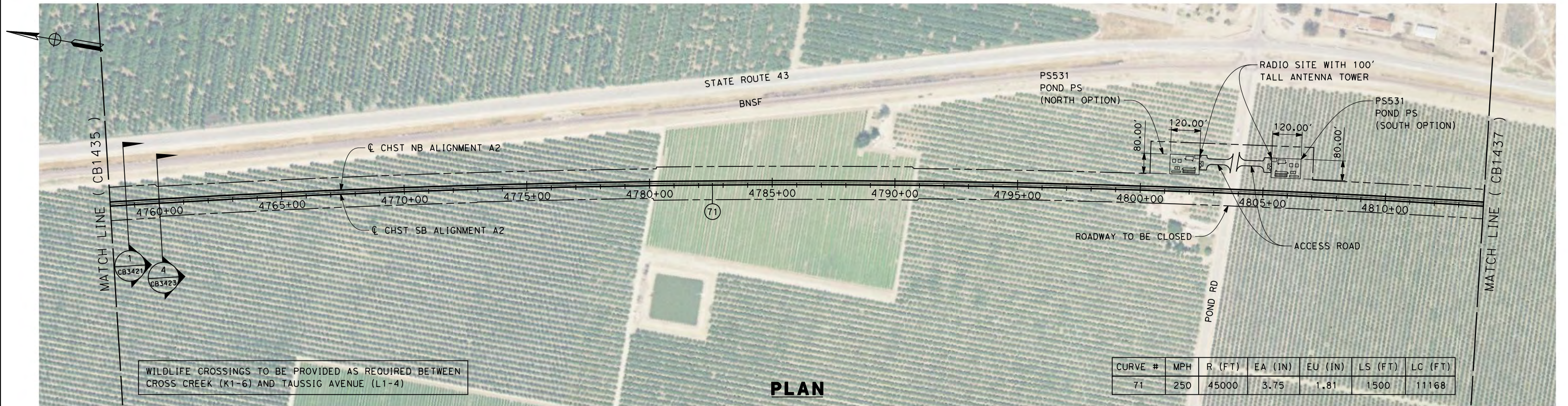
**NOT FOR
CONSTRUCTION**



**CALIFORNIA HIGH-SPEED TRAIN PROJECT
FRESNO TO BAKERSFIELD**
THROUGH ALLENSWORTH SUBSECTION
ALIGNMENT A2
STA. 4702+00 TO 4758+00
PLAN AND PROFILE

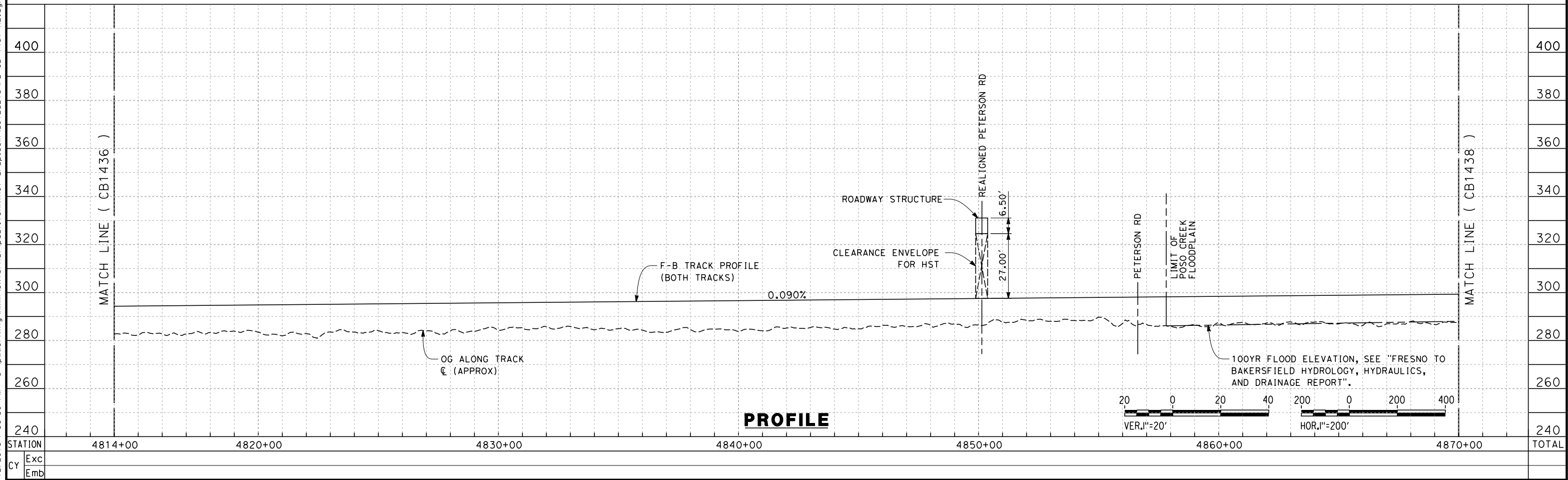
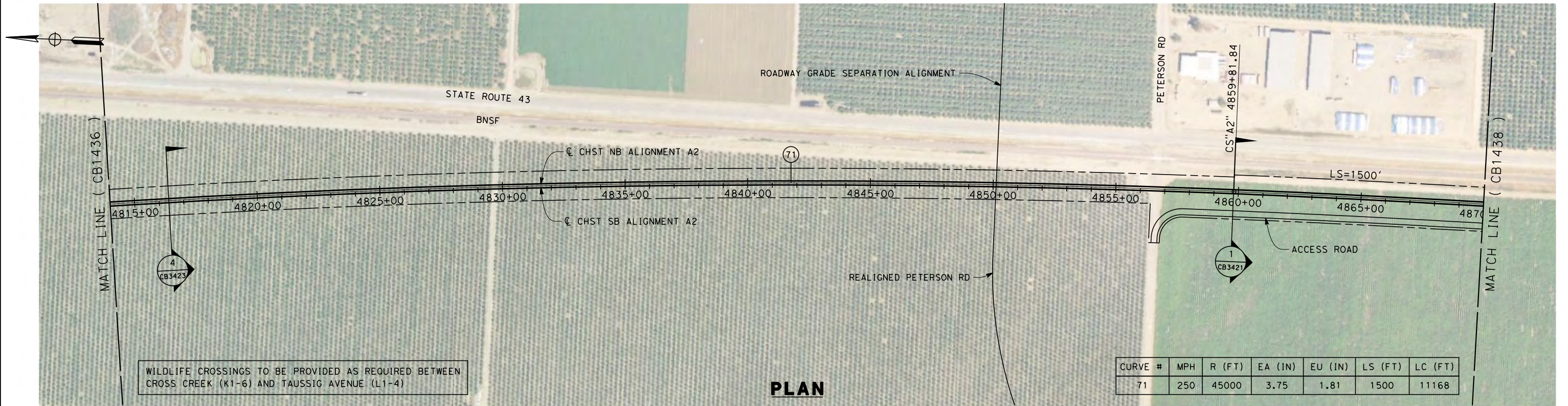
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HSR 06-0003
DRAWING NO.
CB1435
SCALE
AS SHOWN
SHEET NO.
16 OF 22

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REV	DATE	BY	CHK	APP	DESCRIPTION										

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REV	DATE	BY	CHK	APP	DESCRIPTION

DESIGNED BY
S. LITSAS
DRAWN BY
E. TANAKA
CHECKED BY
G. MEJIA
IN CHARGE
R. COFFIN
DATE
12/31/13

RECORD SET 15%
DESIGN SUBMISSION

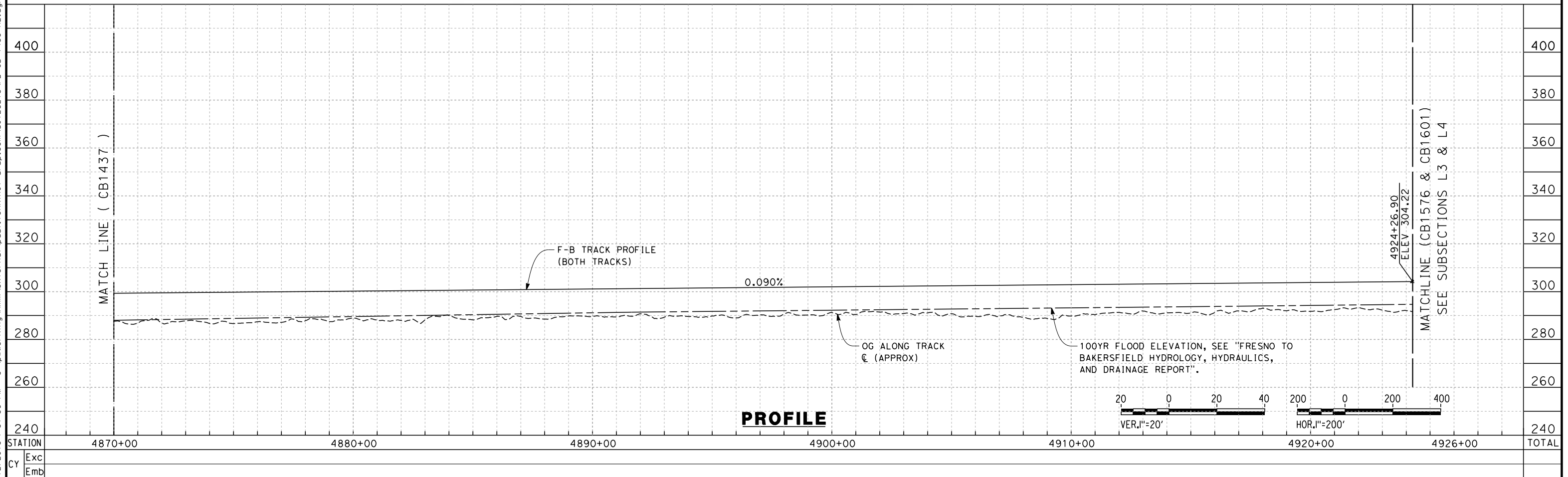
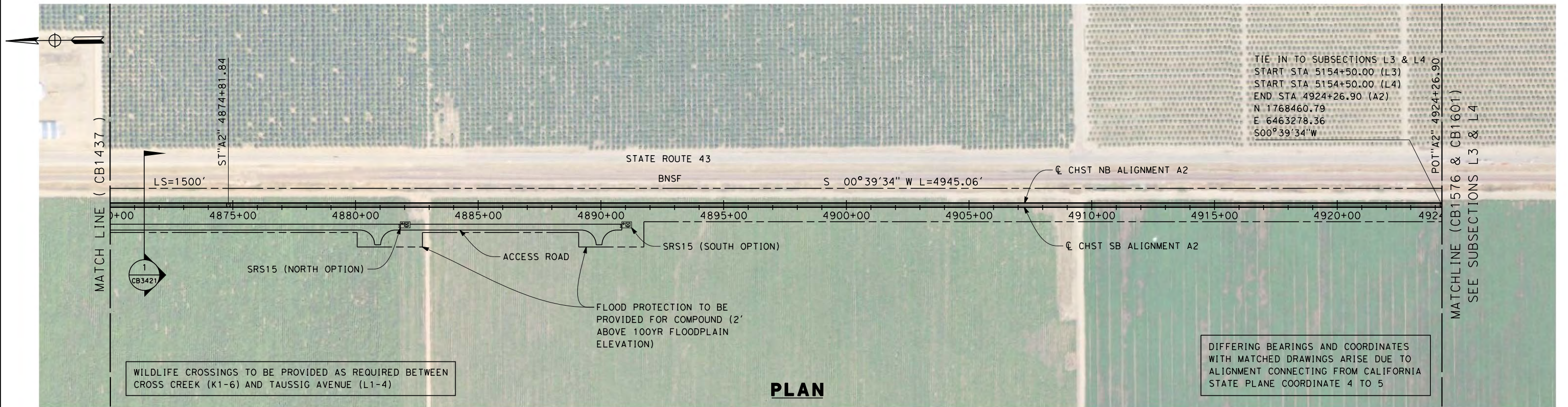
NOT FOR
CONSTRUCTION





CALIFORNIA HIGH-SPEED TRAIN PROJECT
FRESNO TO BAKERSFIELD
THROUGH ALLENSWORTH SUBSECTION
ALIGNMENT A2
STA. 4814+00 TO 4870+00
PLAN AND PROFILE

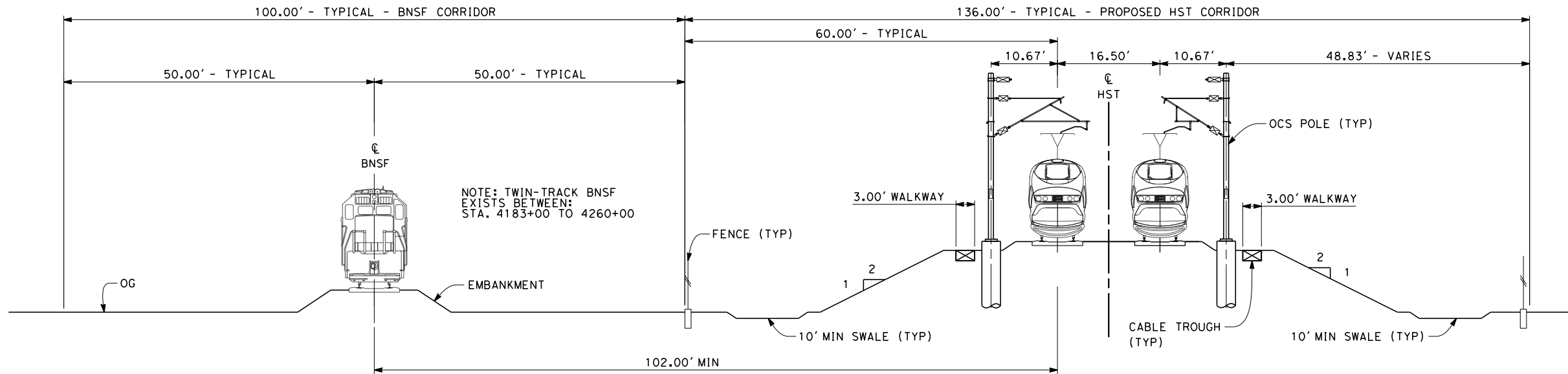
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DRAWING NO.
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SCALE
AS SHOWN
SHEET NO.
18 OF 22

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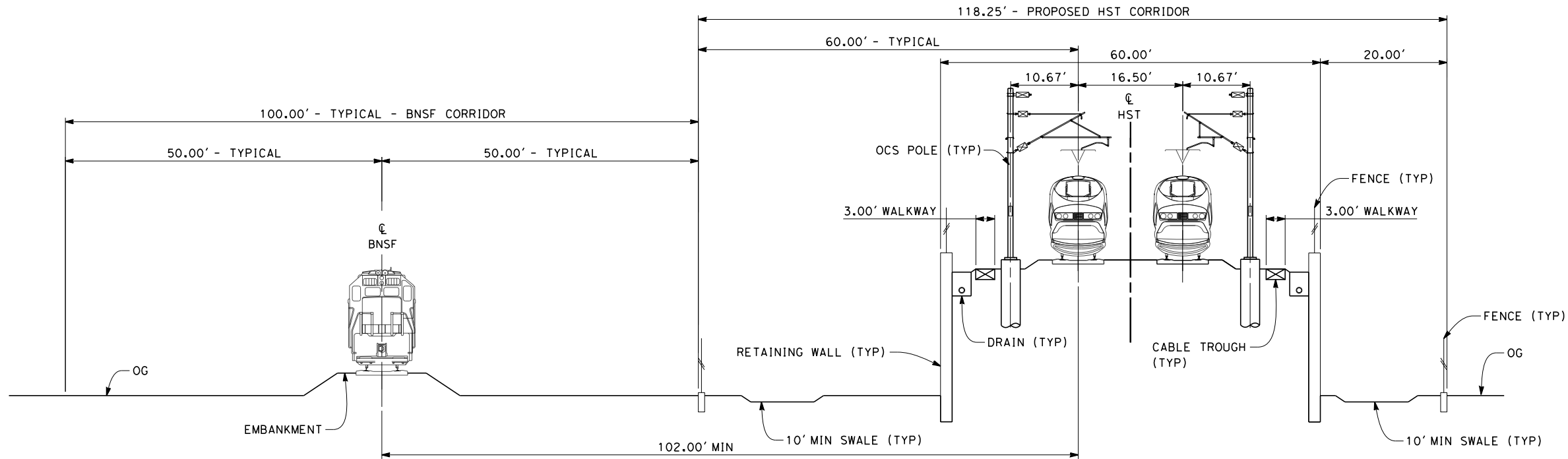
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					DRAWN BY E. TANAKA	DRAWING NO. CB1438					
					CHECKED BY G. MEJIA	SCALE AS SHOWN					
					IN CHARGE R. COFFIN	SHEET NO. 19 OF 22					
					DATE 12/31/13						
REV	DATE	BY	CHK	APP	DESCRIPTION						

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SECTION 1

TWIN TRACK - ADJACENT TO SINGLE TRACK BNSF
STA 3919+50 THROUGH STA 3994+00
STA 4094+05 THROUGH STA 4260+00
STA 4360+00 THROUGH STA 4452+94
STA 4453+92 THROUGH STA 4528+40
STA 4529+38 THROUGH STA 4760+00
STA 4859+80 THROUGH STA 4924+26.90

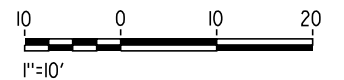


SECTION 2

TWIN TRACK - RETAINED EMBANKMENT ADJACENT TO SINGLE TRACK BNSF
STA 3994+00 THROUGH STA 4006+05
STA 4075+85 THROUGH STA 4094+05

NOTES:

1. TRACKFORM SHOWN IS INDICATIVE
2. FOR STRUCTURE DIMENSIONS SEE STRUCTURAL CROSS SECTIONS.
3. SUPERELEVATION IS NOT SHOWN. THE AMOUNT OF APPLIED SUPER ELEVATION IS SHOWN IN THE CURVE DATA TABLES.



REV	DATE	BY	CHK	APP	DESCRIPTION

DESIGNED BY S. LITSAS
DRAWN BY E. TANAKA
CHECKED BY G. MEJIA
IN CHARGE R. COFFIN
DATE 12/31/13

**RECORD SET 15%
DESIGN SUBMISSION**

**NOT FOR
CONSTRUCTION**

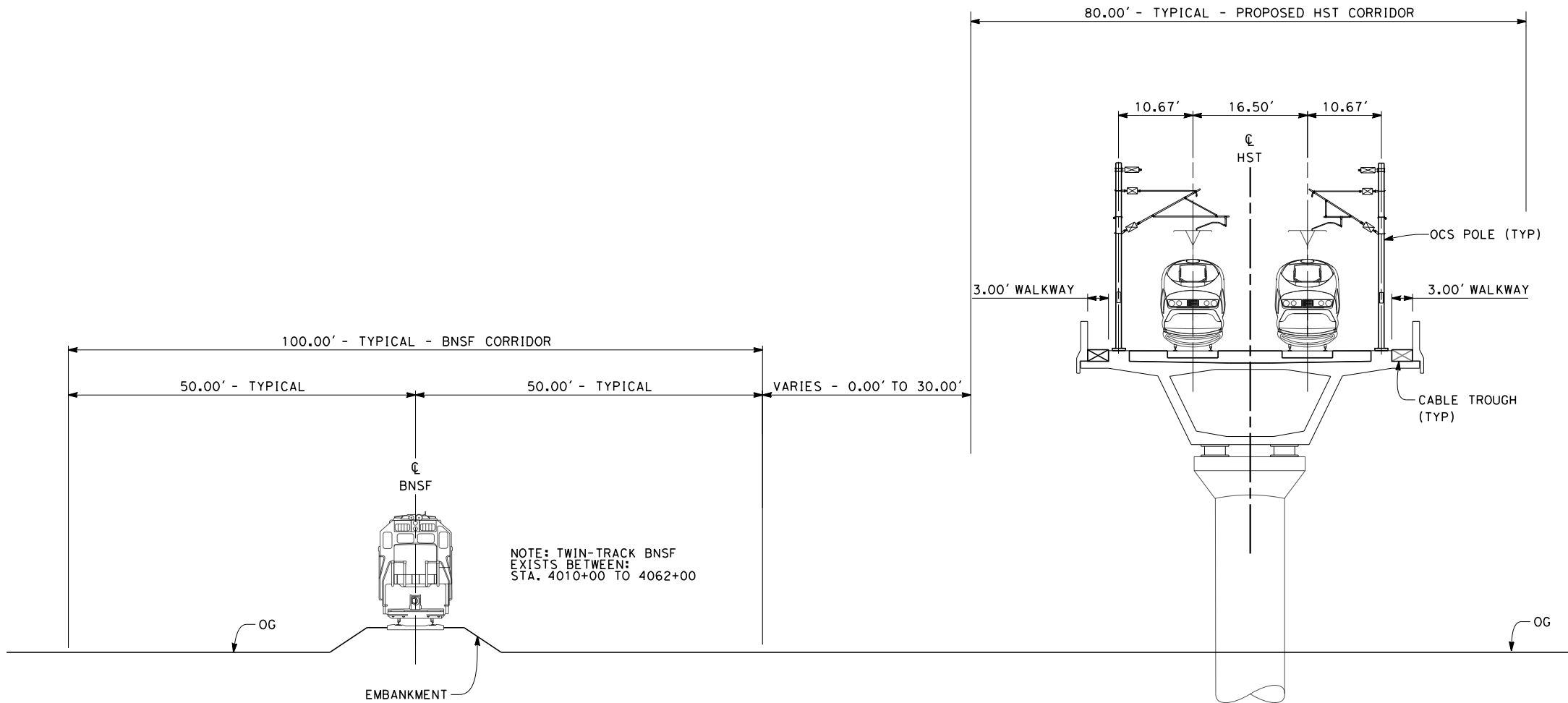


**CALIFORNIA HIGH-SPEED TRAIN PROJECT
FRESNO TO BAKERSFIELD**
THROUGH ALLENSWORTH SUBSECTION
ALIGNMENT A2
TYPICAL SECTIONS

CONTRACT NO. HSR 06-0003
DRAWING NO. CB3421
SCALE AS SHOWN
SHEET NO. 20 OF 22

12/12/2013 1:59:23 PM c:\pwworking\hmm\external\paul.tonkin01-arup.com\d0123215\FB-CB-3422-A2.dgn paul.tonkin

- NOTES:
1. TRACKFORM SHOWN IS INDICATIVE
 2. FOR STRUCTURE DIMENSIONS SEE STRUCTURAL CROSS SECTIONS.
 3. SUPERELEVATION IS NOT SHOWN. THE AMOUNT OF APPLIED SUPER ELEVATION IS SHOWN IN THE CURVE DATA TABLES.



REV	DATE	BY	CHK	APP	DESCRIPTION

DESIGNED BY S. LITSAS
DRAWN BY E. TANAKA
CHECKED BY G. MEJIA
IN CHARGE R. COFFIN
DATE 12/31/13

**RECORD SET 15%
DESIGN SUBMISSION**

**NOT FOR
CONSTRUCTION**

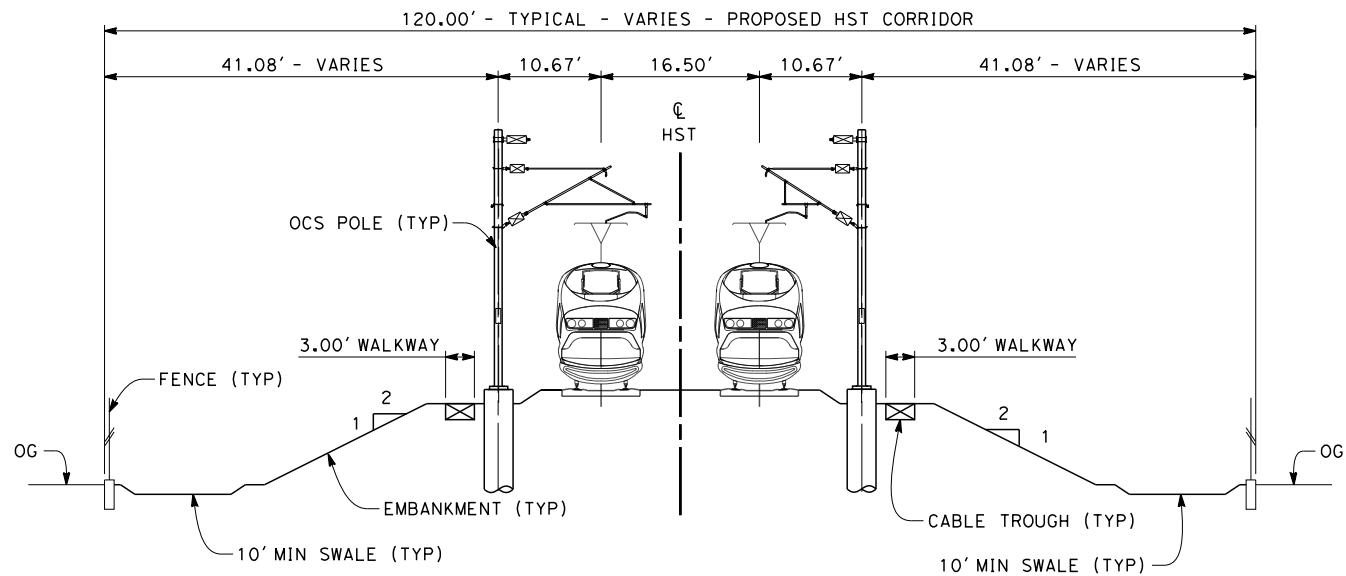


**CALIFORNIA HIGH-SPEED TRAIN PROJECT
FRESNO TO BAKERSFIELD**

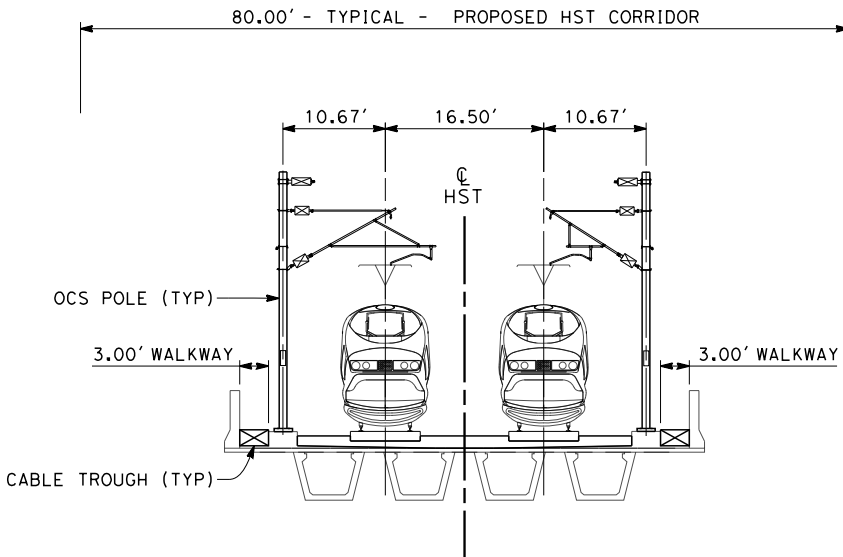
THROUGH ALLENSWORTH SUBSECTION
ALIGNMENT A2
TYPICAL SECTIONS

CONTRACT NO. HSR 06-0003
DRAWING NO. CB3422
SCALE AS SHOWN
SHEET NO. 21 OF 22

- NOTES:
1. TRACKFORM SHOWN IS INDICATIVE
 2. FOR STRUCTURE DIMENSIONS SEE STRUCTURAL CROSS SECTIONS.
 3. SUPERELEVATION IS NOT SHOWN. THE AMOUNT OF APPLIED SUPER ELEVATION IS SHOWN IN THE CURVE DATA TABLES.



SECTION 4
TWIN TRACK - AT-GRADE WITH OPEN DRAINAGE
STA 4260+00 THROUGH STA 4360+00
STA 4760+00 THROUGH STA 4859+80



SECTION 5
TWIN TRACK - ELEVATED PRECAST CONCRETE GIRDER STRUCTURE
STA 4452+94 THROUGH STA 4453+92
STA 4528+40 THROUGH STA 4529+38



\$/USER \$ DATE \$ \$/TIME \$ \$/FILE \$

REV	DATE	BY	CHK	APP	DESCRIPTION

DESIGNED BY S. LITSAS
DRAWN BY E. TANAKA
CHECKED BY G. MEJIA
IN CHARGE R. COFFIN
DATE 12/31/13

**RECORD SET 15%
DESIGN SUBMISSION**

**NOT FOR
CONSTRUCTION**



CALIFORNIA
HIGH-SPEED RAIL AUTHORITY

**CALIFORNIA HIGH-SPEED TRAIN PROJECT
FRESNO TO BAKERSFIELD**
THROUGH ALLENSWORTH SUBSECTION
ALIGNMENT A2
TYPICAL SECTIONS

CONTRACT NO. HSR 06-0003
DRAWING NO. CB3423
SCALE AS SHOWN
SHEET NO. 22 OF 22

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LEGEND

--- EXISTING FREIGHT RAILROAD

— PROPOSED CHST

2000 0 1000 2000

1"=1000'

REV	DATE	BY	CHK	APP	DESCRIPTION

DESIGNED BY
S. LITSAS

DRAWN BY
J. BORGHESI

CHECKED BY
G. WALKER

IN CHARGE
R. COFFIN

DATE
12/31/13

**RECORD SET 15%
DESIGN SUBMISSION**

**NOT FOR
CONSTRUCTION**



**CALIFORNIA HIGH-SPEED TRAIN PROJECT
FRESNO TO BAKERSFIELD**

POSO CREEK SUBSECTION
ALIGNMENT L1
STA. 5154+50 TO 5322+33
KEY MAP

CONTRACT NO.
HSR 06-0003

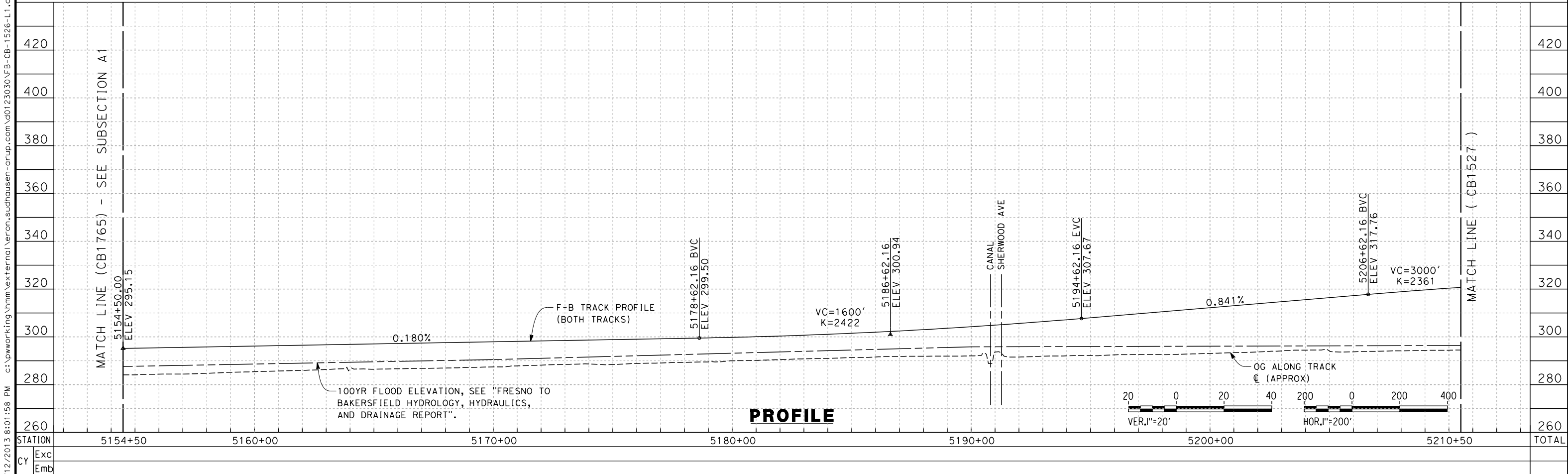
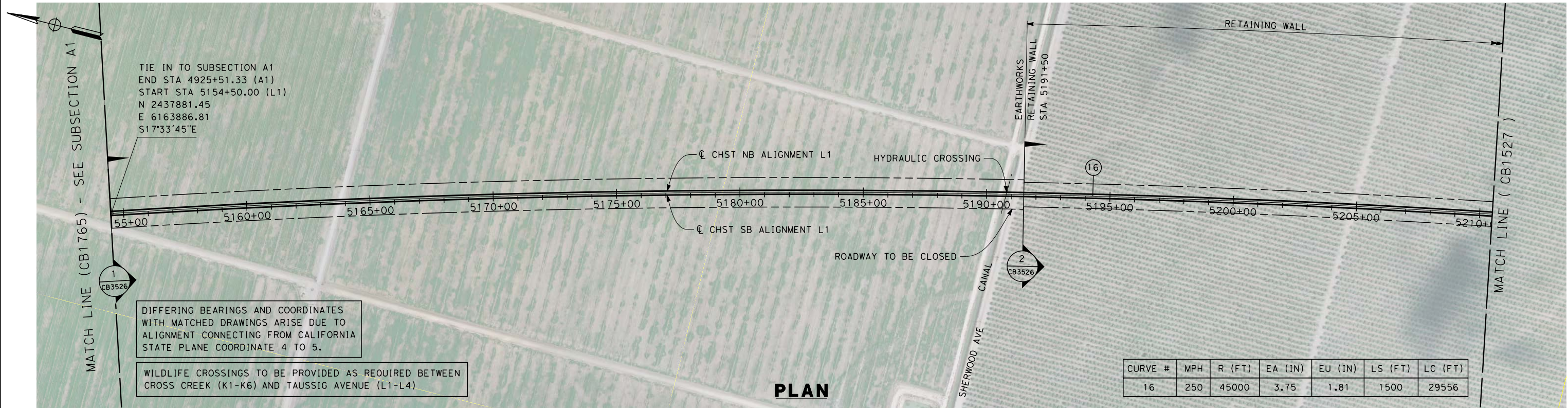
DRAWING NO.
CB1525

SCALE
AS SHOWN

SHEET NO.
1 OF 6

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eron.sudhausen



REV	DATE	BY	CHK	APP	DESCRIPTION

DESIGNED BY
S. LITSAS

DRAWN BY
J. BORGHESI

CHECKED BY
G. WALKER

IN CHARGE
R. COFFIN

DATE
12/31/13

**RECORD SET 15%
DESIGN SUBMISSION**

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CONSTRUCTION**



**CALIFORNIA HIGH-SPEED TRAIN PROJECT
FRESNO TO BAKERSFIELD**

POSO CREEK SUBSECTION
ALIGNMENT L1
STA. 5154+50 TO 5210+50
PLAN AND PROFILE

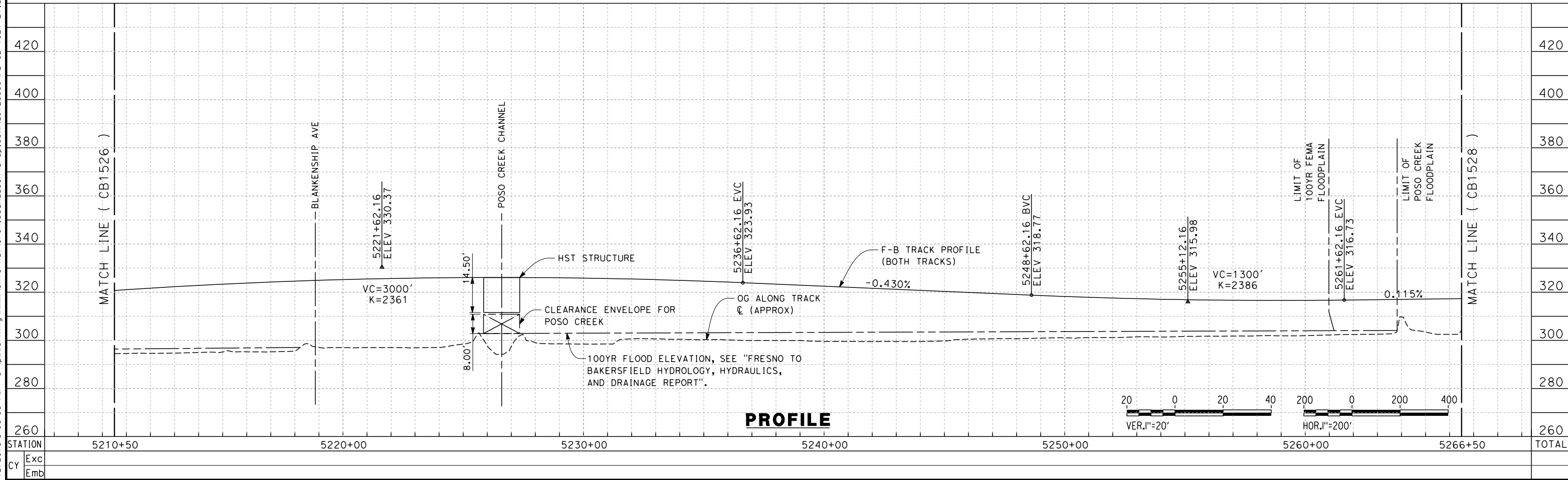
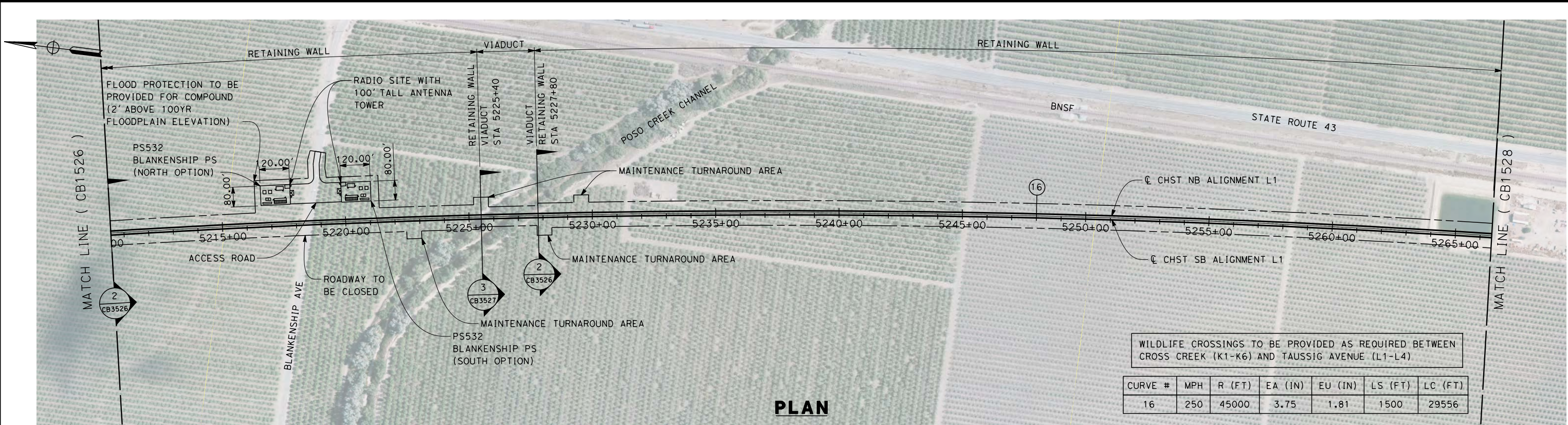
CONTRACT NO.
HSR 06-0003

DRAWING NO.
CB1526

SCALE
AS SHOWN

SHEET NO.
2 OF 6

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REV	DATE	BY	CHK	APP	DESCRIPTION

DESIGNED BY
S. LITSAS
DRAWN BY
J. BORGHESI
CHECKED BY
G. WALKER
IN CHARGE
R. COFFIN
DATE
12/31/13

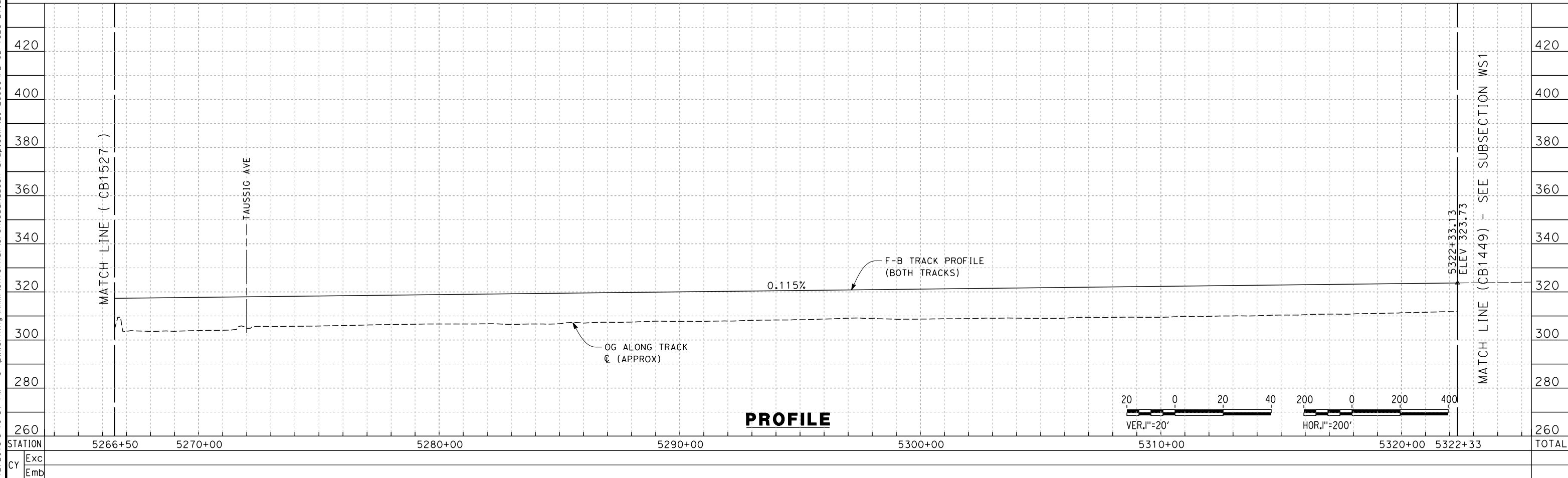
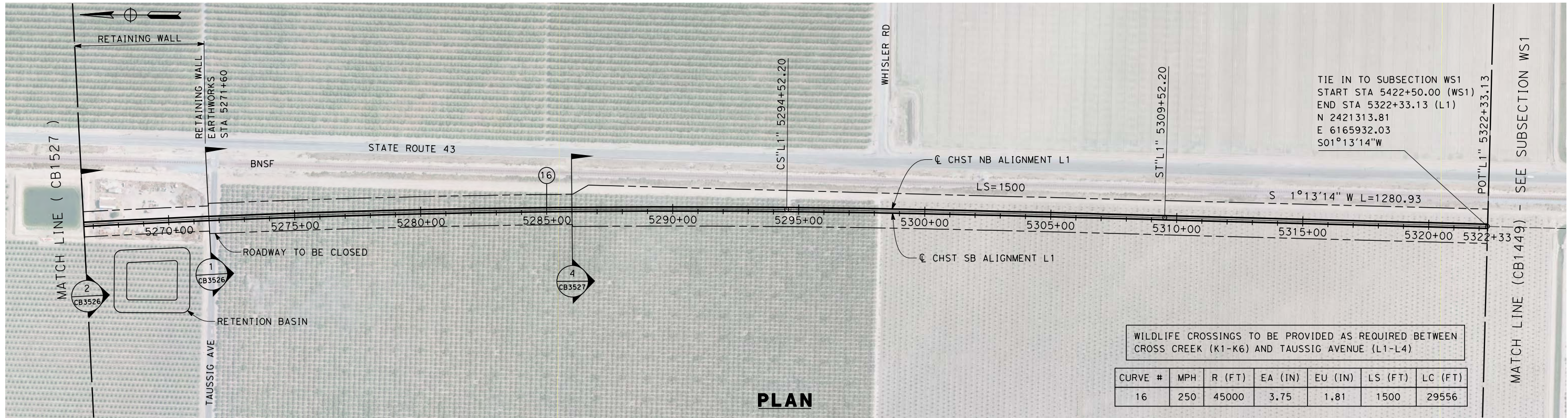
RECORD SET 15%
DESIGN SUBMISSION
NOT FOR
CONSTRUCTION



CALIFORNIA HIGH-SPEED TRAIN PROJECT
FRESNO TO BAKERSFIELD
POSO CREEK SUBSECTION
ALIGNMENT L1
STA. 5210+50 TO 5266+50
PLAN AND PROFILE

CONTRACT NO.
HSR 06-0003
DRAWING NO.
CB1527
SCALE
AS SHOWN
SHEET NO.
3 OF 6

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REV	DATE	BY	CHK	APP	DESCRIPTION

DESIGNED BY
S. LITSAS

DRAWN BY
J. BORGHESI

CHECKED BY
G. WALKER

IN CHARGE
R. COFFIN

DATE
12/31/13

**RECORD SET 15%
DESIGN SUBMISSION**

**NOT FOR
CONSTRUCTION**



**CALIFORNIA HIGH-SPEED TRAIN PROJECT
FRESNO TO BAKERSFIELD**

POSO CREEK SUBSECTION
ALIGNMENT L1
STA. 5266+50 TO 5322+33
PLAN AND PROFILE

CONTRACT NO.
HSR 06-0003

DRAWING NO.
CB1528

SCALE
AS SHOWN

SHEET NO.
4 OF 6

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REV	DATE	BY	CHK	APP	DESCRIPTION

DESIGNED BY S. LITSAS
DRAWN BY J. BORGHESI
CHECKED BY G. WALKER
IN CHARGE R. COFFIN
DATE 12/31/13

**RECORD SET 15%
DESIGN SUBMISSION**

**NOT FOR
CONSTRUCTION**



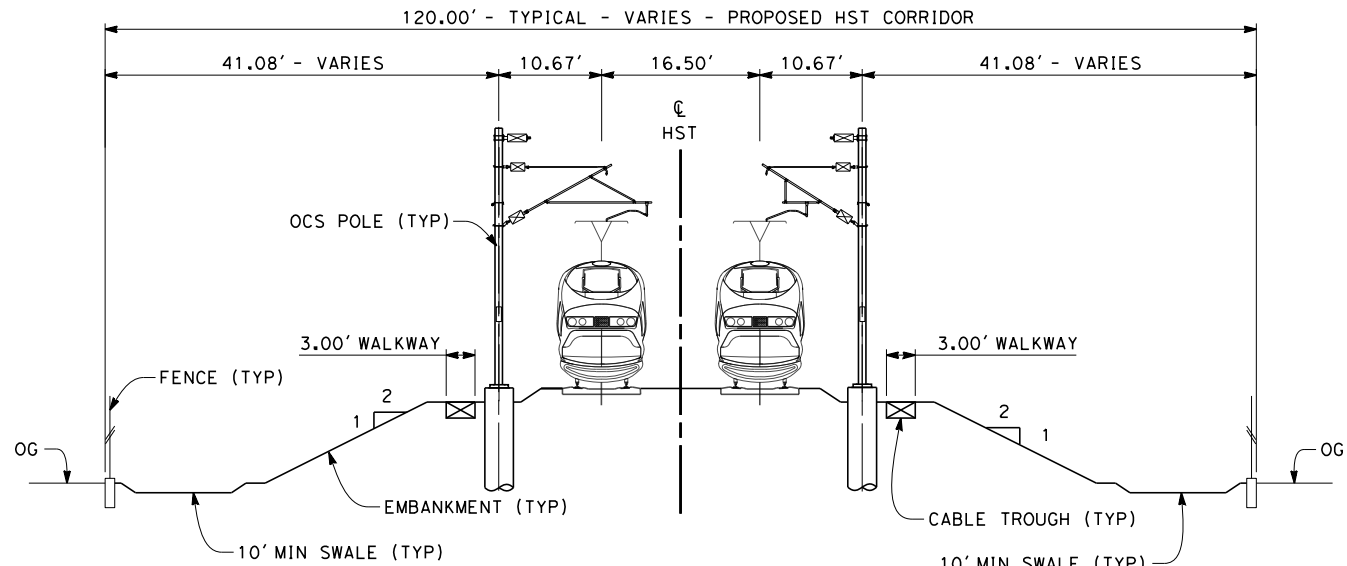
**CALIFORNIA HIGH-SPEED TRAIN PROJECT
FRESNO TO BAKERSFIELD**

POSO CREEK SUBSECTION
ALIGNMENT L1
TYPICAL SECTIONS

CONTRACT NO. HSR 06-0003
DRAWING NO. CB3526
SCALE AS SHOWN
SHEET NO. 5 OF 6

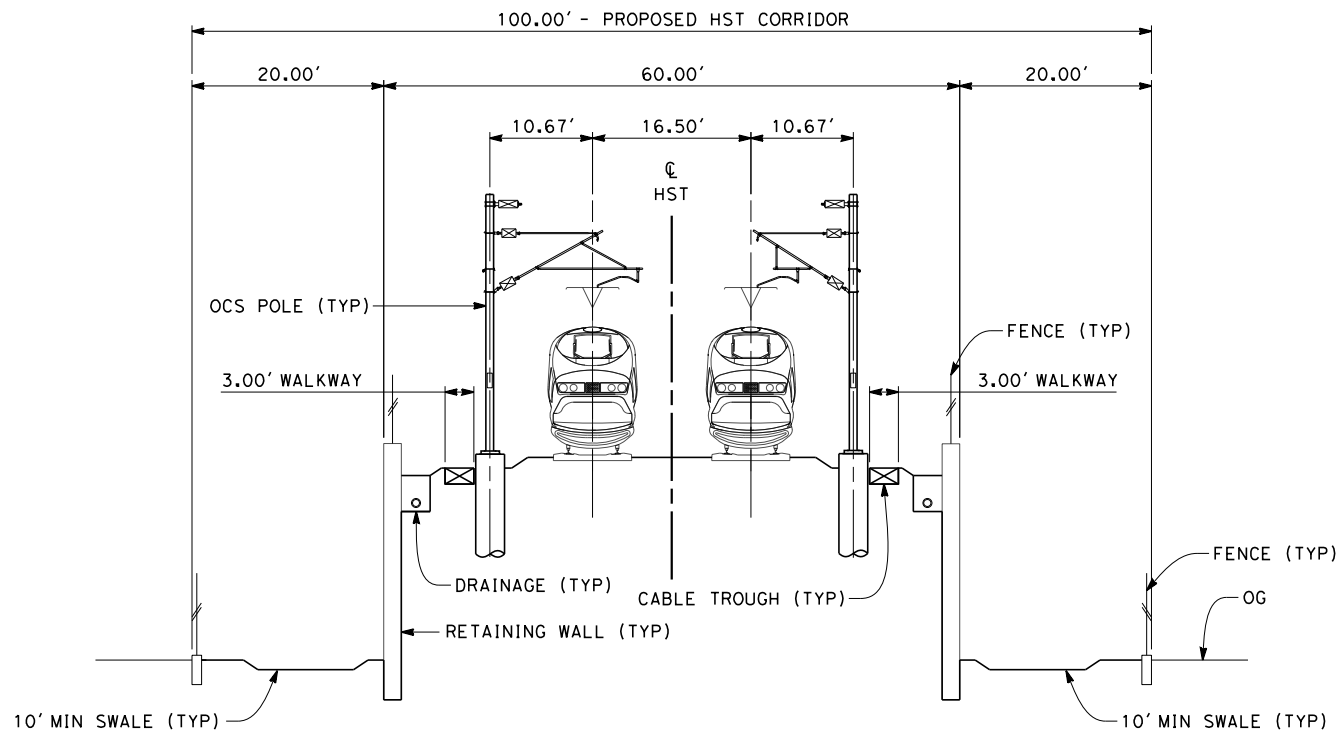
NOTES:

1. TRACKFORM SHOWN IS INDICATIVE
2. FOR STRUCTURE DIMENSIONS SEE STRUCTURAL CROSS SECTIONS
3. SUPERELEVATION IS NOT SHOWN. THE AMOUNT OF APPLIED SUPERELEVATION IS SHOWN IN THE CURVE DATA TABLES



SECTION 1

TWIN TRACK - AT-GRADE WITH OPEN DRAINAGE
STA 5154+50 THROUGH STA 5191+50
STA 5271+60 THROUGH STA 5286+00

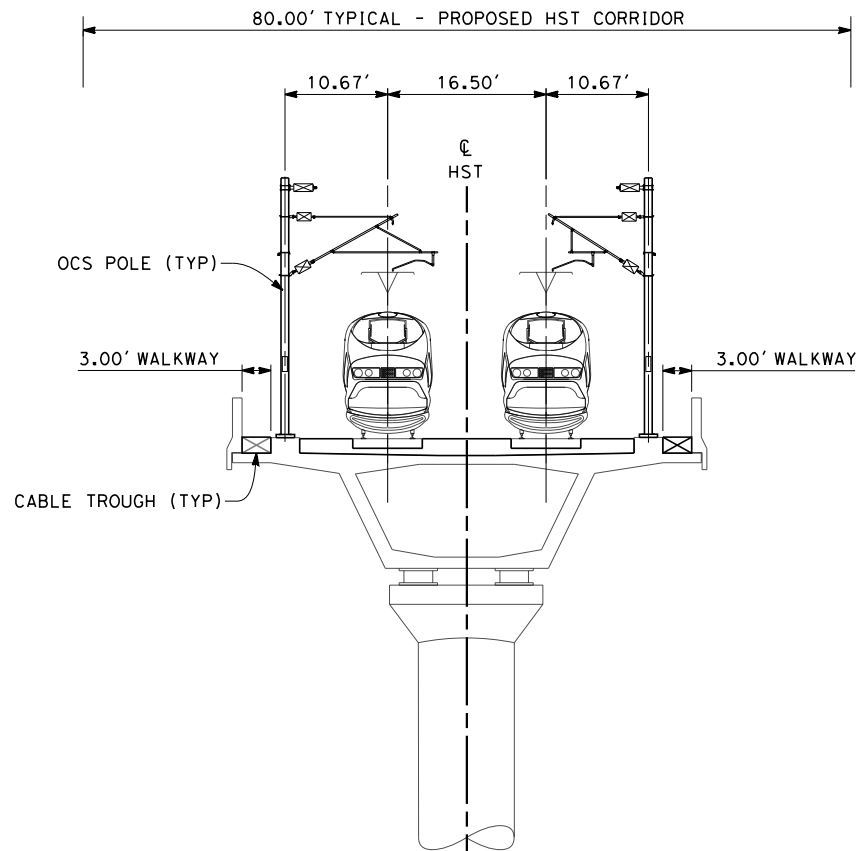


SECTION 2

TWIN TRACK - RETAINED EMBANKMENT
STA 5191+50 THROUGH STA 5225+40
STA 5227+80 THROUGH STA 5271+60



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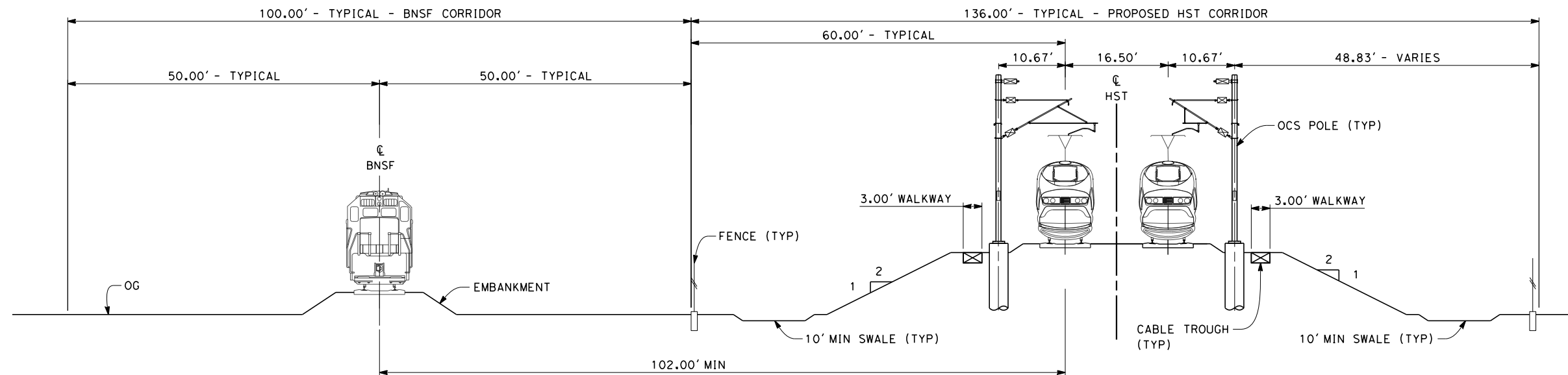


SECTION 3

TWIN TRACK - AERIAL VIADUCT
STA 5225+40 THROUGH STA 5227+80

NOTES:

1. TRACKFORM SHOWN IS INDICATIVE
2. FOR STRUCTURE DIMENSIONS SEE STRUCTURAL CROSS SECTIONS
3. SUPERELEVATION IS NOT SHOWN. THE AMOUNT OF APPLIED SUPERELEVATION IS SHOWN IN THE CURVE DATA TABLES



SECTION 4

TWIN TRACK - ADJACENT TO SINGLE TRACK BNSF
STA 5286+00 TO STA 5322+33



REV	DATE	BY	CHK	APP	DESCRIPTION

DESIGNED BY S. LITSAS
DRAWN BY J. BORGHESI
CHECKED BY G. WALKER
IN CHARGE R. COFFIN
DATE 12/31/13

RECORD SET 15% DESIGN SUBMISSION
NOT FOR CONSTRUCTION



CALIFORNIA HIGH-SPEED TRAIN PROJECT FRESNO TO BAKERSFIELD
POSO CREEK SUBSECTION ALIGNMENT L1 TYPICAL SECTIONS

CONTRACT NO. HSR 06-0003
DRAWING NO. CB3527
SCALE AS SHOWN
SHEET NO. 6 OF 6